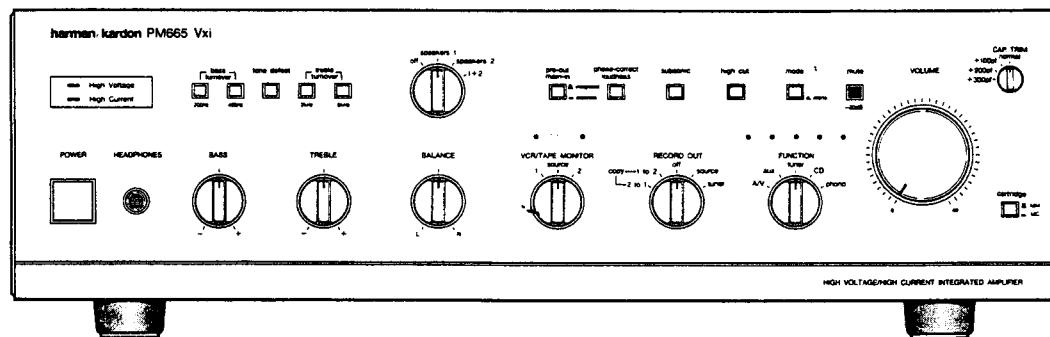


The Harman Kardon Model PM665 Vxi STEREO INTEGRATED AMPLIFIER

Manual 115A

Technical Manual



The following marks found in the parts list of this manual identify the models as follows.

- UA : North America area model
- BK : North America area model Black version
- G : General model
- GB : General model Black version
- N : Japan model

harman/kardon

240 Crossways Park West, Woodbury, N.Y. 11797
1112-3152115A9 P-088710

SPECIFICATIONS

	Nominal	Limit		Nominal	Limit
RMS Output Power			Filters		
8Ω , 1kHz THD 0.08%	169W	$\geq 150W$	Subsonic	15Hz, -3.5dB ± 1 dB/Octave	
4Ω , 1kHz THD 0.1%	175W	$\geq 150W$	High Cut	6kHz, -3dB ± 1 dB/Octave	
High Instantaneous Current Capability (HCC)	80A	$\geq 65A$	DC Output Voltage		
Half Power Bandwidth	10Hz ~ 100kHz		L channel	0mV ± 60 mV	
Frequency Response at -3dB	0.22Hz ~ 180kHz		R channel	0mV ± 60 mV	
Input Sensitivity			RIAA Equalization at Tape Out		
Video/CD	135mV ± 25 mV		(20Hz/20kHz) (No load)	0.1dB ± 0.5 dB / -0.2dB ± 0.5 dB	
Phono(MM)	2.2mV ± 0.3 mV*		Phono Over Load (No load)		
Phono(MC)	120 μ V ± 20 μ V*		Phono (MM)	220mV ≥ 190 mV	
Signal to Noise Ratio			Phono (MC)	12.9mV ≥ 8 mV	
Video/CD	76dB ≥ 74 dB		Dimensions (W x H x D)	17-1/2" x 5-5/16" x 15-11/16"	
Phono(MM)	76dB ≥ 73 dB			(443 x 134 x 398mm)	
Phono(MC)	74dB ≥ 71 dB		Weight	29lbs. 12oz. (13.5kg)	
Channel Separation at 10kHz			Power Supplies		
Video/CD	54dB ≥ 45 dB		North America area model	AC 120V, 60Hz	
Phono(MM)	61dB ≥ 45 dB		General model	AC 220/240V, 50/60Hz	
Phono(MC)	65dB ≥ 45 dB		Japan model	AC 100V, 50/60Hz	
IM Distortion Ratio	0.022% ≤ 0.1 %		Power Consumption		
Damping Factor at 1kHz	76 ≥ 60		North America area model	600W	
Tone Control Characteristics			General model	350VA	
Bass Turnover Frequency (200Hz/400Hz)			Japan model	600W	
Bass at 50Hz/100Hz					
Boost	10dB ± 2 dB				
Cut	10dB ± 2 dB				
Treble Turnover Frequency (2kHz/6kHz)					
Treble at 10kHz/30kHz					
Boost	10dB ± 2 dB				
Cut	10dB ± 2 dB				

* Input Sensitivity for General model are 2.3mV ± 0.3 mV (MM) and 145 μ V ± 20 μ V (MC).

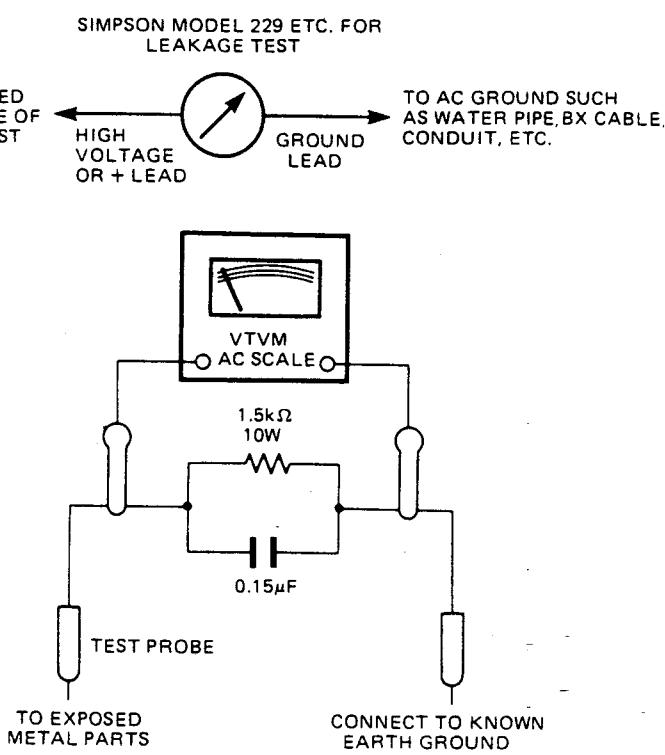
This specification is the target of servicing. But, there is a care that the specification is not applicable to the measurement condition and instrument.

Specifications and components subject to change without notice. Overall performance will be maintained or improved.

LEAKAGE TEST (FOR SERVICE ENGINEERS IN THE U.S.A.)

Before returning the unit to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the unit.
2. Be sure that any protective devices such as nonmetallic control knobs, insulating fishpapers, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc. which were removed for servicing are properly reinstalled.
3. Be sure that no shock hazard exists; check for leakage current using Simpson Model 229 Leakage Tester, standard equipment item No. 21641, RCA Model WT540A or use alternate method as follows: Plug the power cord directly into a 120-volt AC receptacle (do not use an Isolation Transformer for this test). Using two clip leads, connect a 1500 Ohm, 10-watt resistor paralleled by a 0.15 μ F capacitor, in series with all exposed metal cabinet parts and a known earth ground, such as a water pipe or conduit. Use a VTVM or VOM with 1000 Ohms per volt, or higher sensitivity to measure the AC voltage drop across the resistor. (See Diagram.) Move the resistor connection to each exposed metal part having a return path to the chassis (antenna, metal, cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor. (This test should be performed with the power switch in both the On and Off positions.) A reading of 0.35 volt RMS or more is excessive and indicates a potential shock hazard which must be corrected before returning the unit to the owner.



DISASSEMBLY PROCEDURES (REFER TO PAGES 5 AND 21)

① CABINET TOP (131) REMOVAL

Remove 8 screws (A) and then remove the Cabinet Top (131).

② FRONT PANEL ASS'Y (AA) REMOVAL

1. Remove the Cabinet Top (131), referring to the previous step ①.
2. Remove 5 screws (B) and then remove the Front Panel Ass'Y (AA).

③ MAIN P. C. BOARD (PCB-2) REMOVAL

1. Remove 10 screws (C) and then remove the Cabinet Bottom Ass'Y (AC).
2. Remove the Front Panel Ass'Y (AA), referring to the previous step ②.
3. Loosen 4 hexagon-socket-head screws (D) and pull out the Shaft Ass'Y (BB) with the Rotary Knob Ass'Y (AD).
4. Remove 24 screws (E) and a plastic rivet (F) and then remove the Cabinet Back Ass'Y (AB). If necessary, unsolder the lead wires from the Power Transformers (T1 and T2).
5. Open the lid of connectors (CN101 and CN102) on the Main P. C. Board (PCB-2) and then disconnect the lead wires.
6. Remove 4 screws (G) and then remove the Main P. C. Board (PCB-2) with the Heat Sinks (177). At this time, unsolder the lead wires connected to the Main P. C. Board (PCB-2).

④ POWER SWITCH P. C. BOARD (PCB-3) REMOVAL

1. Remove the Front Panel Ass'Y (AA), referring to the previous step ②.
2. Pull out the Push Button (146) and Shaft (214).
3. Remove 3 screws (H) and then remove the Power Switch P. C. Board (PCB-3). If necessary unsolder the lead wires.

⑤ MAIN DRIVER P. C. BOARD (PCB-1) REMOVAL

1. Remove the Main P. C. Board (PCB-2), referring to the previous step ③.
2. Remove 2 screws (I) and then remove the Main Driver P. C. Board (PCB-1). If necessary unsolder the lead wires.

⑥ EQUALIZER P. C. BOARD (PCB-11) REMOVAL

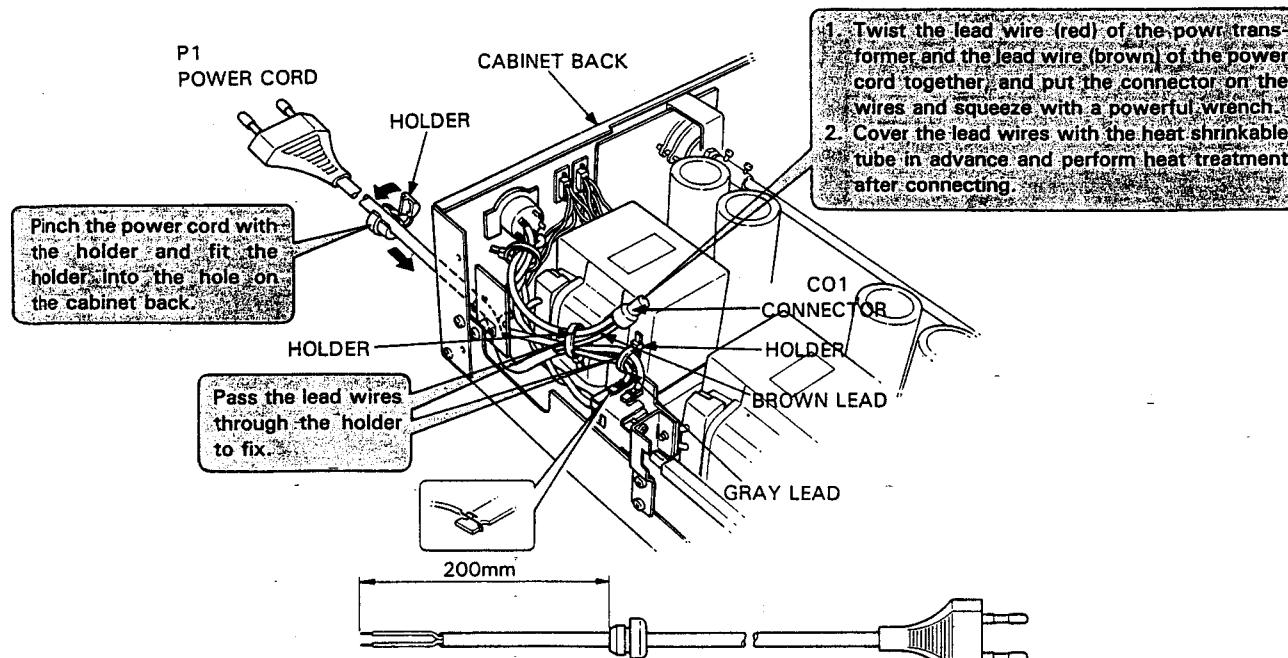
1. Remove the Cabinet Back Ass'Y (AB), referring to the previous step ③.
2. Remove a screw (J) and a plastic rivet (K) and then remove the Equalizer P. C. Board (PCB-11). If necessary unsolder the lead wires.

⑦ TONE 1 P. C. BOARD (PCB-5) REMOVAL

1. Remove the Cabinet Bottom Ass'Y (AC), referring to the previous step ③-1.
2. Remove the Front Panel Ass'Y (AA), referring to the previous step ②.
3. Pull out the Cap. Trim Rotary Knob (151) and remove 4 hexagon-nuts (L) and then remove the Capacitance Trim P. C. Board (PCB-8).
4. Pull out Volume Rotary Knob (150) and remove a hexagon-nut (M) and then remove the Volume P. C. Board (PCB-7).
5. Remove 2 screws (N) and then remove the Push Switch (SW9, cartridge).
6. Straighten the catches fixing the 4/8Ω LED P. C. Board (PCB-9) and then remove it.
7. Remove the metal fixture (O) fixing the Headphone P. C. Board (PCB-12) and then remove it.
8. Pull out the Push Button (146) and Shaft (214).
9. Pull out the Push Button Ass'Y (AE).
10. Pull out the 6 Rotary Knob Ass'Ys (AD).
11. Loosen 4 hexagon-socket-head screws (D) and pull out the Shaft Ass'Y (BB) with the Rotary Knob Ass'Y (AD).
12. Remove 8 screws (P) and then remove the Chassis Ass'Y (BA) with the Tone 1 and Tone 2 P. C. Board (PCB-5 and PCB-6).
13. Remove 4 screws (Q) and then remove the Tone 2 P. C. Board (PCB-6). If necessary unsolder the lead wires.
14. Remove 6 hexagon-nuts (R) and then remove the Tone 1 P. C. Board (PCB-5). If necessary unsolder the lead wires.

POWER CORD REPLACEMENT (FOR SERVICE ENGINEERS OTHER THAN NOTRH AMERICA)

In order to prevent fire or shock hazard when replacing the power cord, follow the procedure below to replace the parts with the standard supply parts.



ALIGNMENT PROCEDURES (REFER TO PAGE 8 THROUGH 11 AND 20)

■ Conditions: • Set the Function selector to the "aux" position.
 • Set the Volume control to minimum.
 • Set the Speaker selector to the "1 + 2" position.
 • Set the Speaker Operating Mode switch to the "8Ω" position.
 • Make the adjustment at a room temperature of 77°F (25°C).
 • After the Power switch is pushed on, wait for 30 minutes before measuring to be sure of the most stable operation.

■ DC BALANCE ADJUSTMENT

Step	Connection Equipments	Adjustment	For
1	Connect the Digital Volt Meter to speaker terminal (L ch).	VR401	0±10mV
2	Connect the Digital Volt Meter to speaker terminal (R ch).	VR402	0±10mV

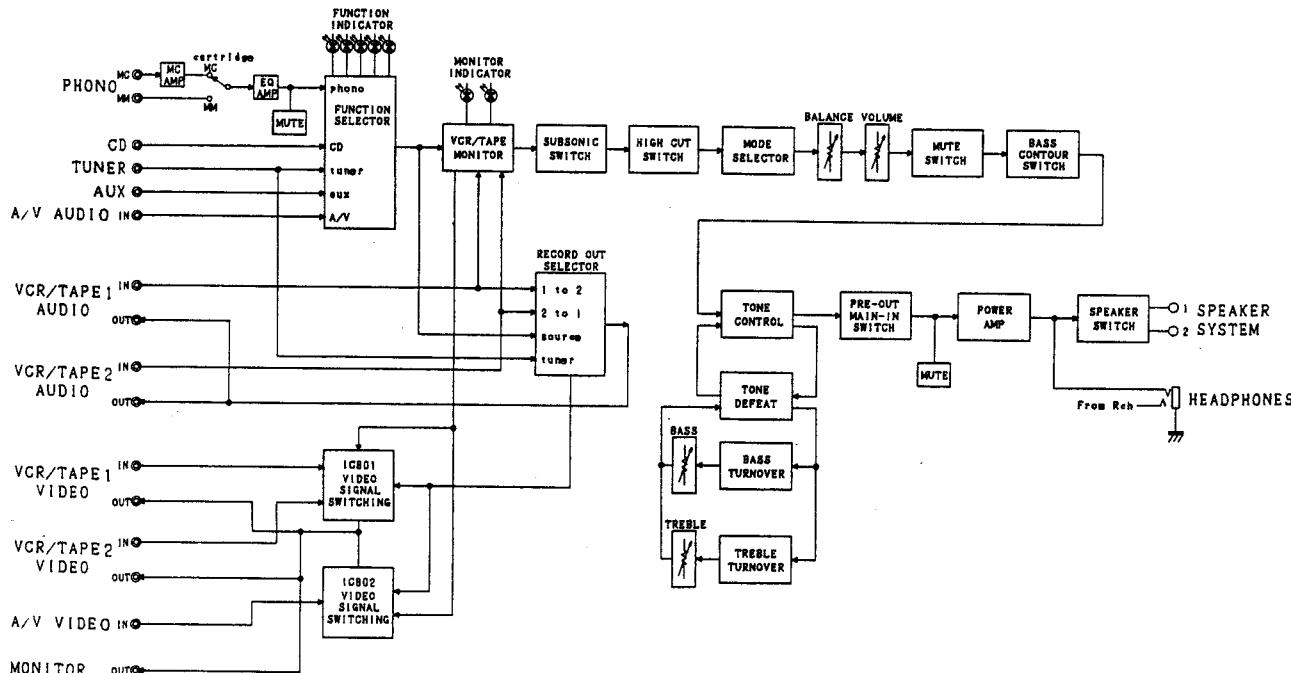
■ IDLING CURRENT ADJUSTMENT

Step	Connection Equipments	Adjustment	For
1	Connect the Digital Volt Meter to TP1 and TP2.	VR403	28mV
2	Connect the Digital Volt Meter to TP3 and TP4.	VR404	28mV

■ IDLING CURRENT CONFIRMATION

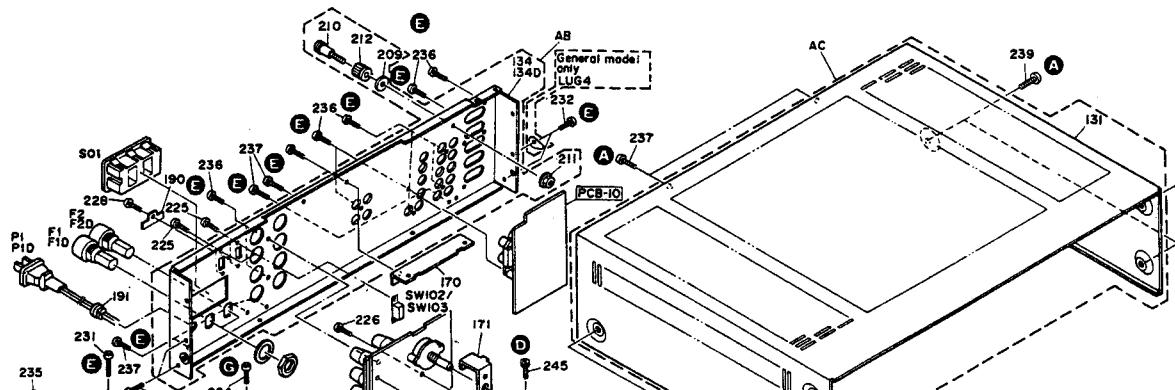
Step	Connection Equipments	For
1	Connect the Digital Volt Meter to TP5 and TP6.	50mV±5mV
2	Connect the Digital Volt Meter to TP7 and TP8.	50mV±5mV
3	Connect the Digital Volt Meter to TP9 and TP10.	50mV±5mV
4	Connect the Digital Volt Meter to TP11 and TP12.	50mV±5mV

BLOCK DIAGRAM

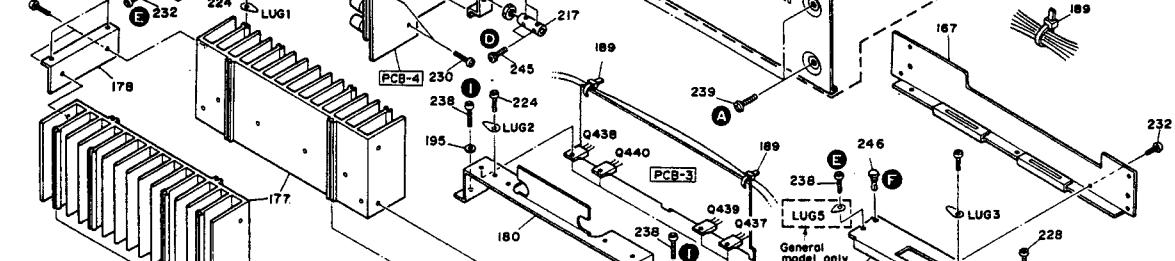


GENERAL UNIT
EXPLODED VIEW

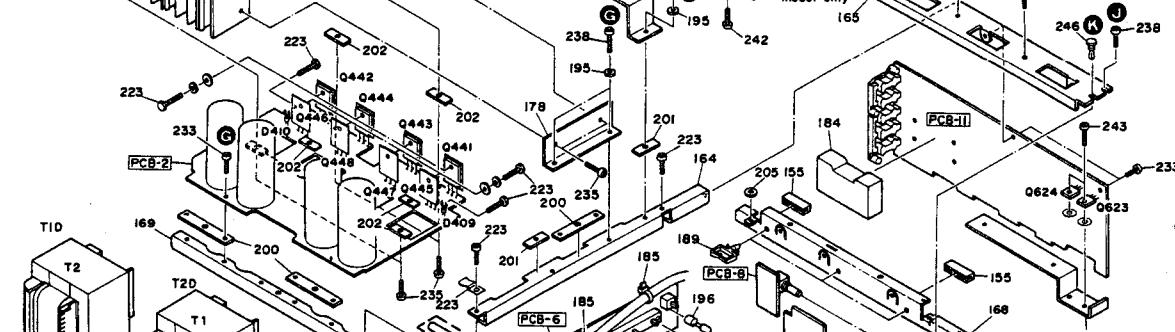
1



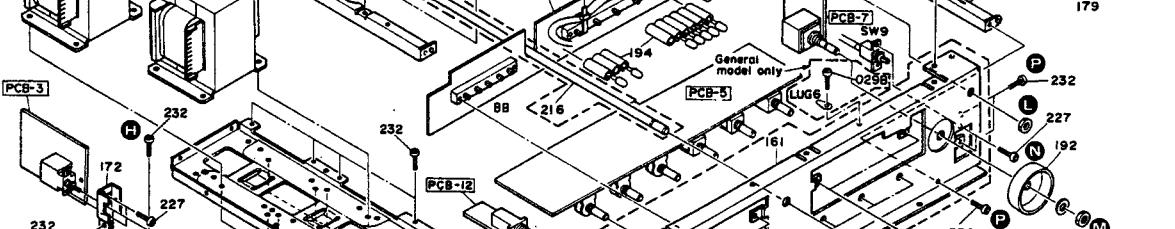
2



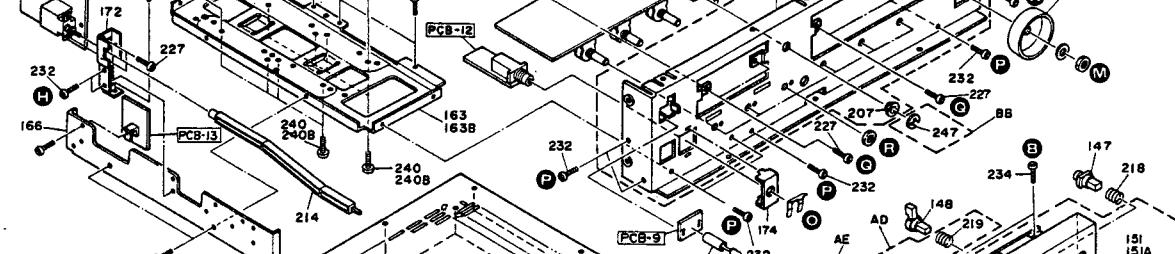
3



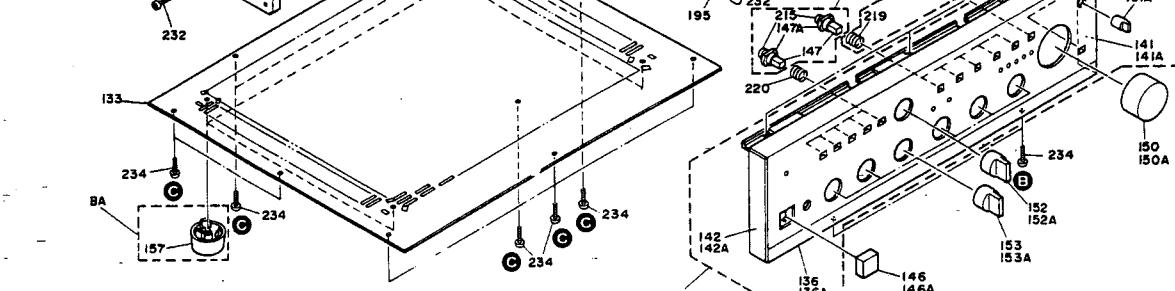
4



5



6

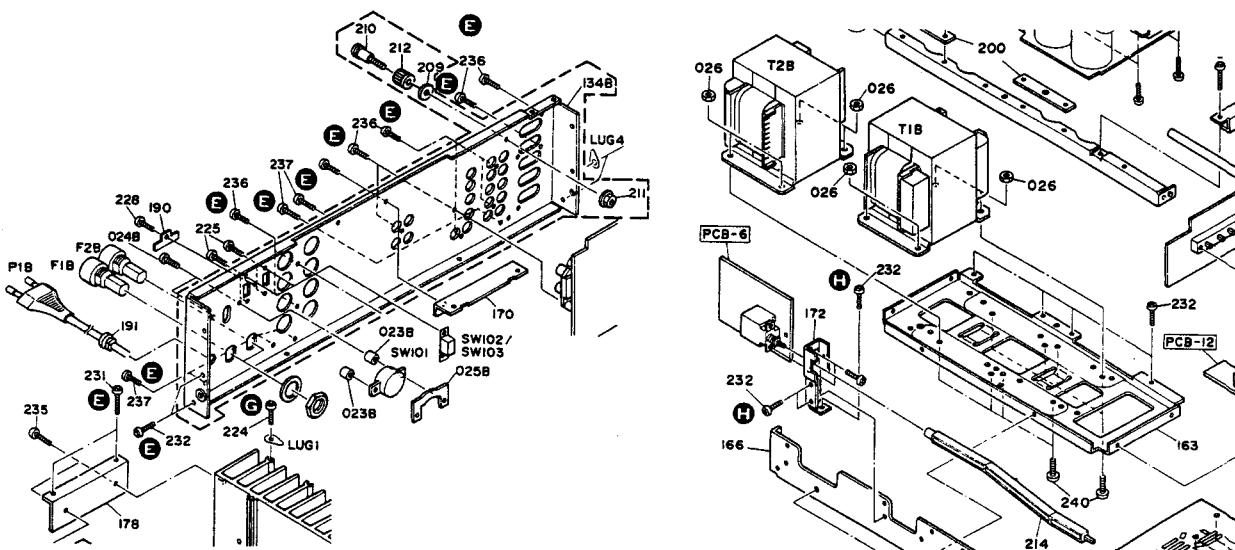


7

A B C D E

GENERAL UNIT

EXPLODED VIEW (for General model)



PARTS LIST

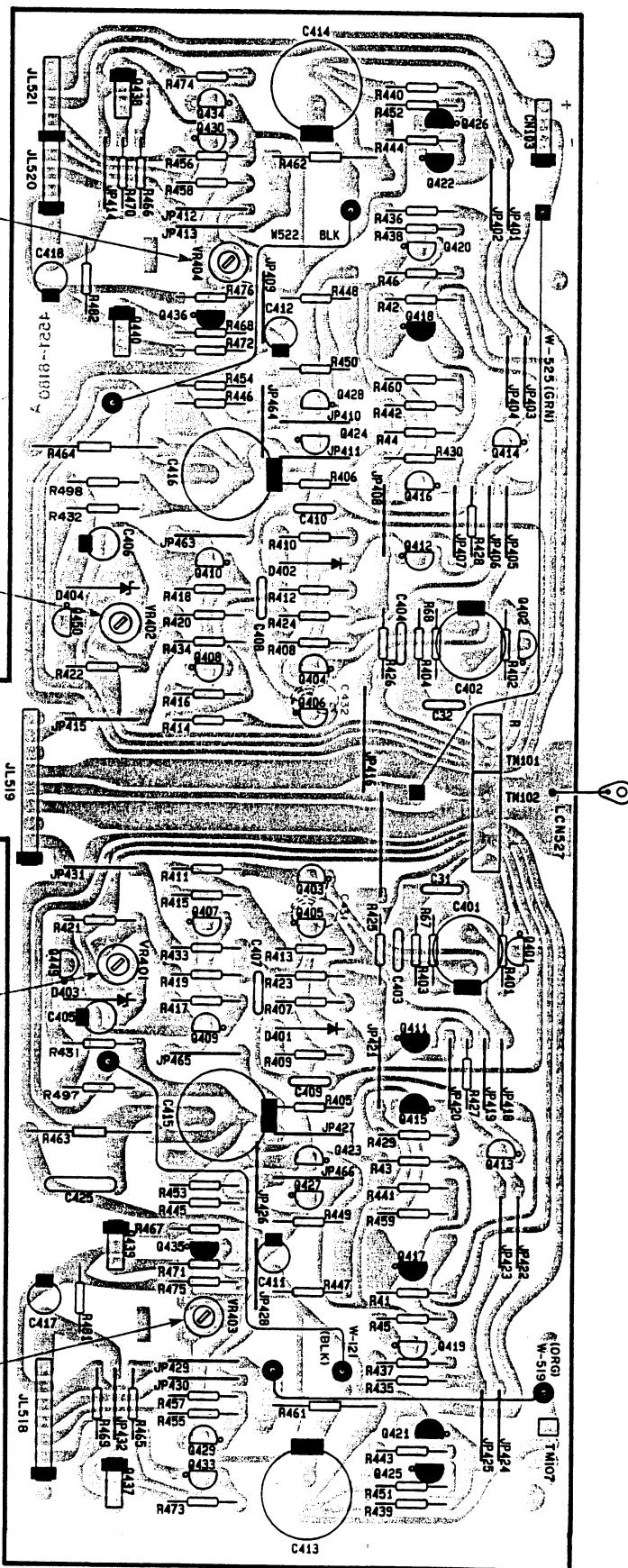
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
AA	A443-PM665S2A	FRONT PANEL ASS'Y UA G	131	1414-10401	CABINET TOP
AAA	A443-PM665S2B	FRONT PANEL ASS'Y BK	133	1423-03101	CABINET BOTTOM
AAC	A443-PM665S2C	FRONT PANEL ASS'Y GB	134	1424-22804	CABINET BACK UA BK
AAD	A443-PM665S2D	FRONT PANEL ASS'Y N	134B	1424-22806	CABINET BACK G GB
AB	A424-PM665S2A	CABINET BACK ASS'Y UA BK	134D	1424-22805	CABINET BACK N
ABB	A424-PM665S2B	CABINET BACK ASS'Y G	136	1443-10903	FRONT PANEL UA G
ABC	A424-PM665S2C	CABINET BACK ASS'Y GB	136A	1443-10904	FRONT PANEL BK GB N
ABD	A424-PM665S2D	CABINET BACK ASS'Y N	138	1513-09501	PANEL, PLATE
AC	A423-PM665S2A	CABINET BOTTOM ASS'Y UA BK N	139	1531-11301	PANEL, WINDOW
ACB	A423-PM665S2B	CABINET BOTTOM ASS'Y G	141	1562-01602	FRAME RIGHT UA G
ACC	A423-PM665S2C	CABINET BOTTOM ASS'Y GB	141A	1562-01603	FRAME RIGHT BK GB N
AD	A630-PM665S2A	ROTARY KNOB ASS'Y UA G	142	1562-01702	FRAME LEFT UA G
ADA	A630-PM665S2B	ROTARY KNOB ASS'Y BK	142A	1562-01703	FRAME LEFT BK GB N
ADC	A630-PM665S2C	ROTARY KNOB ASS'Y GB	144	1732-02401	INDICATOR
ADD	A630-PM665S2D	ROTARY KNOB ASS'Y N	146	1660-00401	PUSH BUTTON, POWER UA G
AE	A662-PM665S2A	PUSH BUTTON ASS'Y UA G	146A	1660-00403	PUSH BUTTON, POWER BK GB N
AEA	A662-PM665S2B	PUSH BUTTON ASS'Y BK	147	1662-05701VN	PUSH BUTTON UA G
AEC	A662-PM665S2C	PUSH BUTTON ASS'Y GB	147A	1662-05702	PUSH BUTTON BK GB N
AED	A662-PM665S2D	PUSH BUTTON ASS'Y N	148	1662-18101	PUSH BUTTON, MUTE
BA	B211-PM665S2A	CHASSIS ASS'Y	150	1630-02901	ROTARY KNOB, VOLUME UA G
BB	B601-PM665S2A	SHAFT ASS'Y	150A	1630-02903	ROTARY KNOB, VOLUME BK GB N
022B	1756-03108	LABEL G GB	151	1634-04501	ROTARY KNOB, CAPTRIM UA G
023B	2132-7116	SPACER G GB	151A	1634-04503	ROTARY KNOB, CAPTRIM BK GB N
023D	2440-60	SPECIAL NUT G GB	152	1630-02801	ROTARY KNOB, FUCTION SWITCH UA G
024B	2327-R0130124	SCREW G GB	152A	1630-02803	ROTARY KNOB, FUCTION SWITCH BK GB N
025B	2440-7017	SPECIAL NUT G GB	153	1630-02801	ROTARY KNOB UA G
026B	2440-60	SPECIAL NUT G GB	153A	1630-02803	ROTARY KNOB BK GB N
029B	2347-300526	SCREW G GB			
113	1751-01018	SERIAL LABEL			
115	1751-01018	LABEL UA BK			
117	1756-CSA	LABEL UA BK			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
155	1568-00301	FRAME	242	2557-301029	SCREW
157	1319-0139	LEG	243	2557-301029	SCREW
161	2211-7294	CHASSIS	245	2396-300549	SCREW
163	2219-8036	METAL FITTG, TRANS 	246	2459-3003511	PLASTIC RIVET
163B	2219-8007	METAL FITTG, TRANS 	247	2461-501	STOPPER, E
164	2219-8037	METAL FITTG, H.CENTER	248	2440-7016	SPECIAL NUT
165	2219-8009	METAL FITTG, EQ	△PI	4161-71151	CORD W/PLUG 
166	2219-8010	METAL FITTG, TRANS SIDE	△PIB	4161-7256	CORD W/PLUG 
167	2219-8011	METAL FITTG, EQ SIDE	△PID	4161-71148	CORD W/PLUG 
168	2219-8038	METAL FITTG, EQ CENTER	△FI	5732-502029	FUSE, (5A) 
169	2219-8013	METAL FITTG, TRANS CENTER	△FIB	5732-252030	FUSE, (5A) 
170	2219-8040	METAL FITTG, MAIN HEAT	△FID	5732-502050	FUSE, (5A) 
171	2219-8039	METAL FITTG	△F2	5732-502029	FUSE, (5A) 
172	2219-8034	METAL FITTG, POWER SWITCH	△F2B	5732-252030	FUSE, (5A) 
174	2219-7879	METAL FITTG, H/P	△F2D	5732-502050	FUSE, (5A) 
175	2219-7879	METAL FITTG, 4/8Ω PCB	△SO1	4474-156	SOCKET 
177	2222-7180	HEAT SINK, MAIN	△TI	5584-S05	XFORMER, POWER 
178	2222-7182	HEAT SINK, MAIN PCB	△T1B	5584-S06	XFORMER, POWER 
179	2222-7183	HEAT SINK, EQ	△T1D	5584-S07	XFORMER, POWER 
180	2222-7181	HEAT SINK, DRIVER	△T2	5584-S05	XFORMER, POWER 
181	2222-7229	HEAT SINK, AV PCB	△T2B	5584-S06	XFORMER, POWER 
183	2240-7141	HOLDER 	△T2D	5584-S07	XFORMER, POWER 
183A	2240-7202	HOLDER 	△SW101	4411-102729	ROTARY SWITCH, VOLTAGE SELECTOR 
184	2240-7183	HOLDER, MC	SW9	4422-70211	REMOTE SWITCH
185	2240-7120	HOLDER, WIRING	LUG1	4211-5005	LUG
186	2240-7209	HOLDER, POWER	LUG2	4211-5005	LUG
187	2240-7315	HOLDER, LED	LUG3	4211-5005	LUG
188	2240-7316	HOLDER, PANEL	LUG4	4211-5005	LUG 
189	2240-7239	HOLDER, WIRING	LUG5	4211-5005	LUG 
190	2240-7311	HOLDER, 4/8 SWITCH HOLD	LUG6	4211-5005	LUG 
191	2240-364	HOLDER, AC CORD	Q437	5611-1306(O)or(Y)	XISTOR, PNP R
192	2240-7240	HOLDER, VOLUME	Q438	5611-1306(O)or(Y)	XISTOR, PNP R
193	2111-11758	FELT	Q439	5613-3928(O)or(Y)	XISTOR, NPN R
194	2132-7126	SPACER, LED	Q440	5613-3928(O)or(Y)	XISTOR, NPN R
195	2132-7136	SPACER, HEAT SINK	Q441	5613-3281(O)or(R)	XISTOR, NPN R
196	2132-01702	SPACER, MUTE LED	Q442	5613-3281(O)or(R)	XISTOR, NPN R
198	2112-0040	SPONGE, LED	Q443	5613-3281(O)or(R)	XISTOR, NPN R
199	2224-7120	INSULATOR, AV HEAT	Q444	5613-3281(O)or(R)	XISTOR, NPN R
200	2224-7100	INSULATOR, MAIN PCB	Q445	5611-1302(O)or(R)	XISTOR, PNP R
201	2224-7101	INSULATOR, DRIVER MAIN	Q446	5611-1302(O)or(R)	XISTOR, PNP R
202	2224-7101	INSULATOR, MAIN PCB	Q447	5611-1302(O)or(R)	XISTOR, PNP R
203	2224-7118	INSULATOR, AV PCB	Q448	5611-1302(O)or(R)	XISTOR, PNP R
204	2402-0374	WASHER	Q623	5613-3928(O)or(Y)	XISTOR, NPN R
205	2402-0374	WASHER	Q624	5611-1306(O)or(Y)	XISTOR, PNP R
207	2410-100	SPECIAL WASHER	D409	5641-MV12YM	VARISTOR
209	2410-7005	SPECIAL WASHER	D410	5641-MV12YM	VARISTOR
210	2440-7011	SPECIAL NUT			
211	2440-7016	SPECIAL NUT			
212	2310-7015	SPECIAL SCREW			
214	2601-7150	SHAFT, POWER			
215	2601-7077	SHAFT			
216	2601-7151	SHAFT, SP(AL)			
217	2601-7153	SHAFT, SP			
218	2651-2101710	SPRING			
219	2651-110518	SPRING			
220	2651-210189	SPRING			
222	2459-3005511	PRASTIC RIVET			
223	2320-34	SPECIAL SCREW			
224	2340-7003	SPECIAL SCREW			
225	2327-260549	SCREW			
226	2327-R0130064	SCREW			
227	2327-R0130064	SCREW			
228	2327-R0130064	SCREW			
229	2327-R0130022	SCREW			
230	2343-300826	SCREW			
232	2347-R0130062	SCREW			
233	2347-R0130062	SCREW			
234	2347-R0130062	SCREW			
235	2347-R0130084	SCREW			
236	2347-R0130084	SCREW			
237	2347-R0130084	SCREW			
238	2347-R0130104	SCREW			
239	2347-R0140064	SCREW			
240	2347-R0140082	SCREW 			
240B	2347-R0140102	SCREW 			

P. C. BOARDS

A **B** **C** **D** **E**

PCB-1 Main Driver P. C. Board

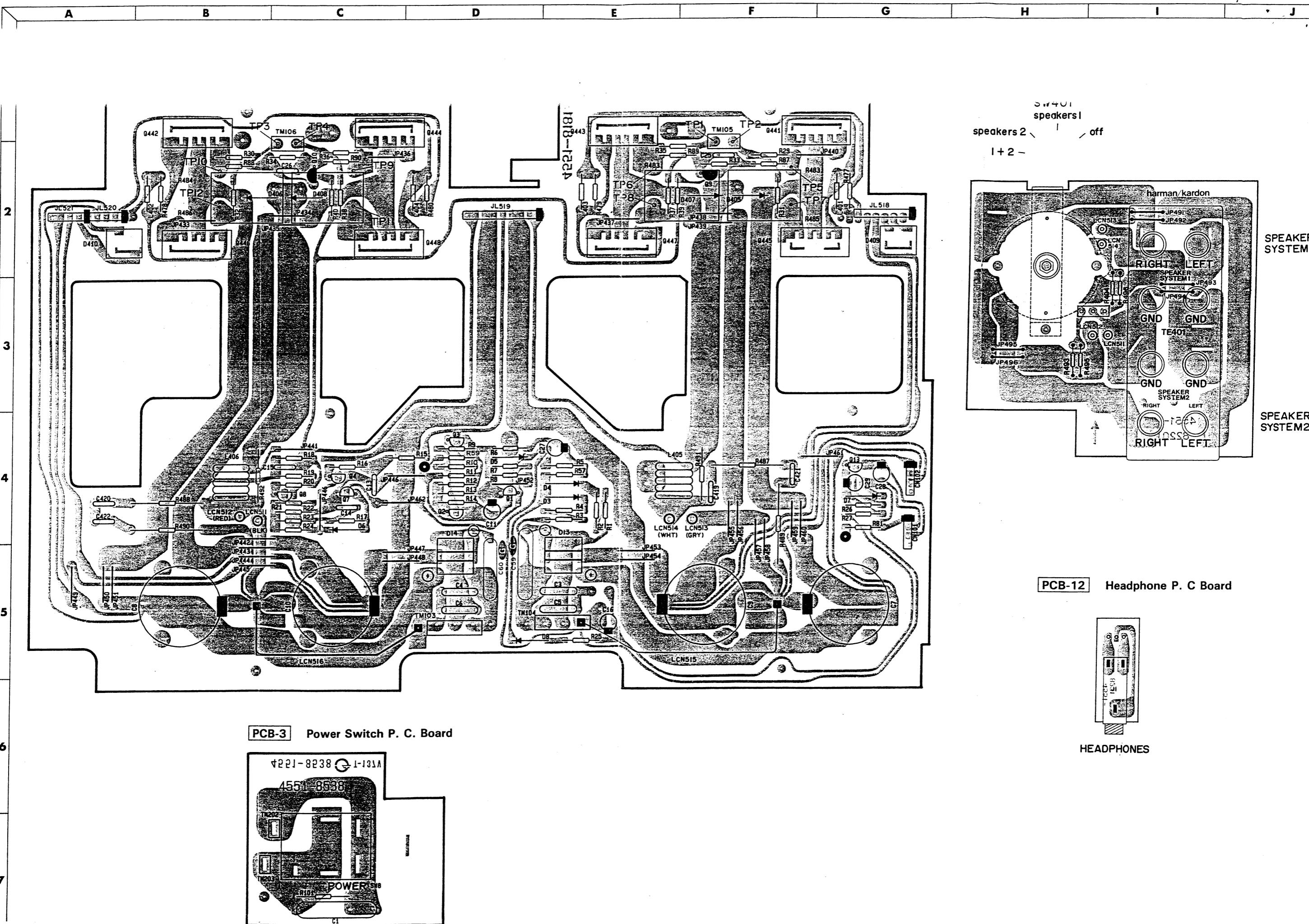


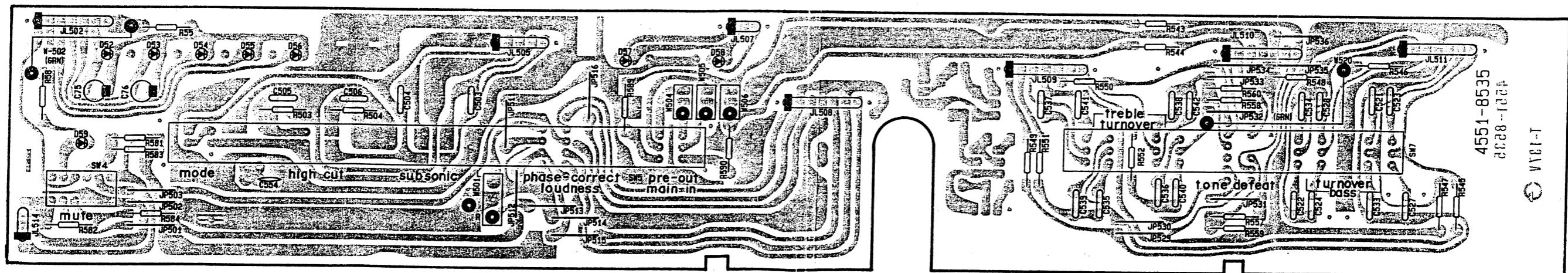
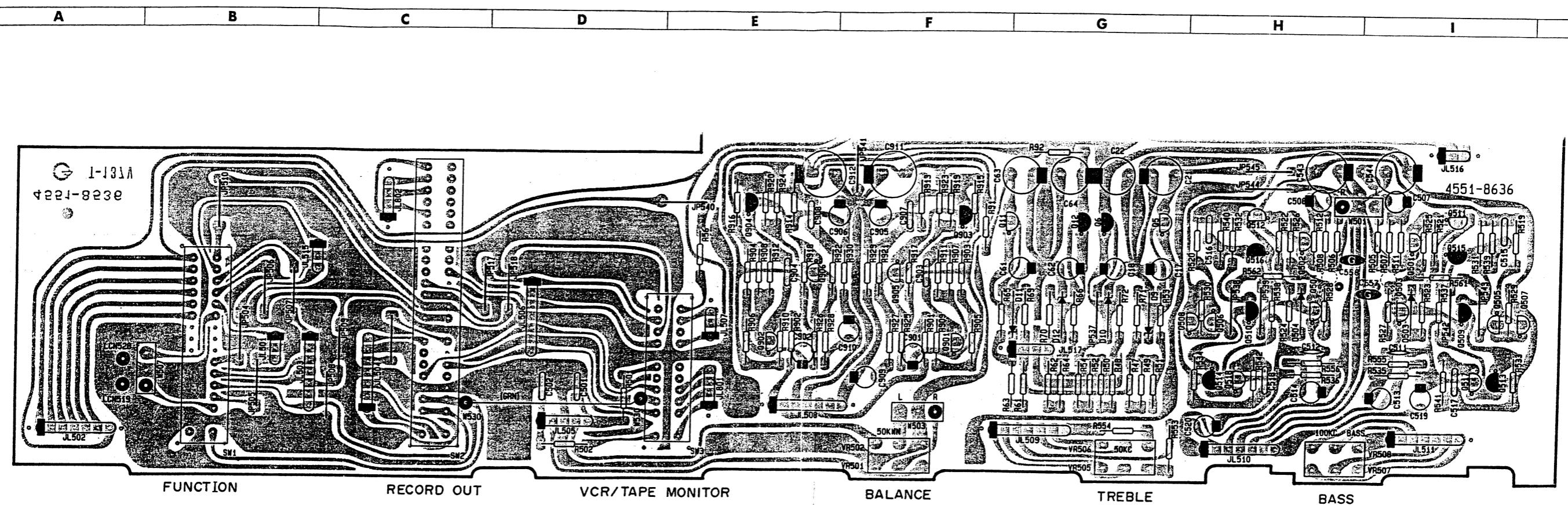
READING CURRENT ADJ.
(R ch)

DE BALANCE ADJ
(R ch)

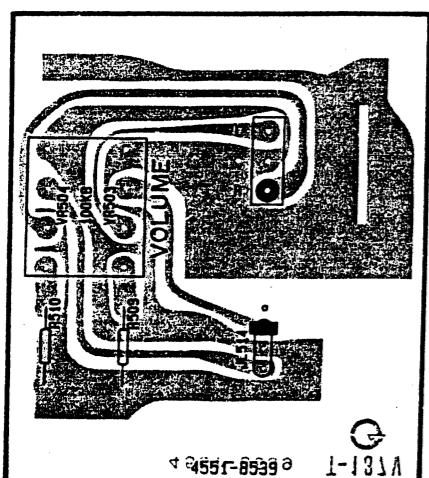
BC BALANCE AI
(L ch)

IBLING CURRENT ABJ. (L^{ch})

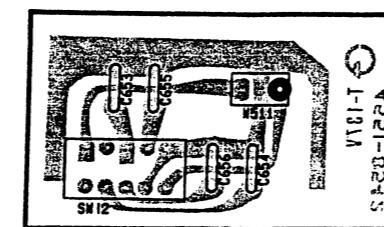




PCB-7 Volume P. C. Board

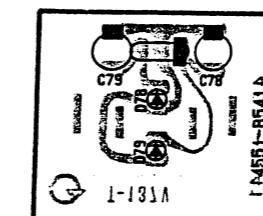


PCB-8 Capacitance Trim P. C. Board

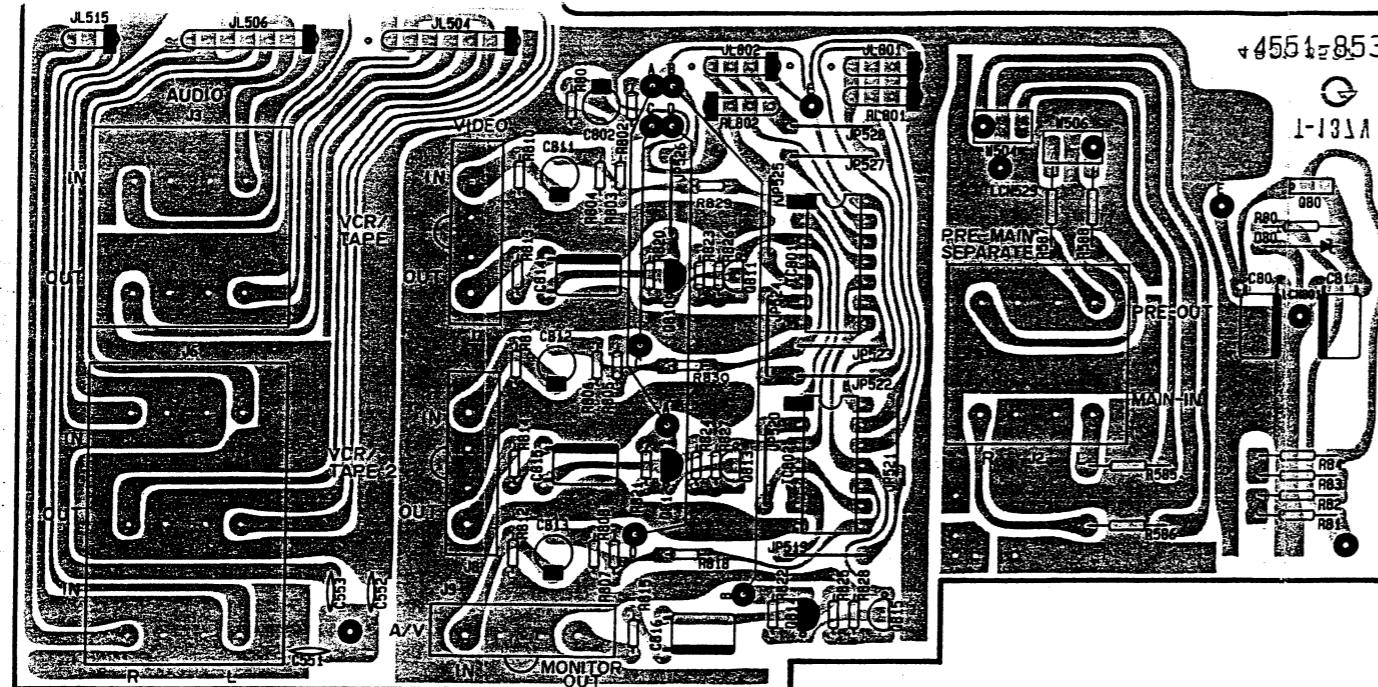


CAP. TAI

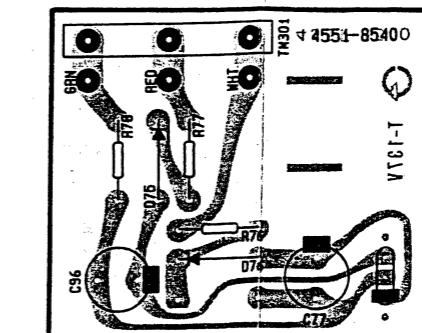
PCB-9 4/8Ω LED P. C. Board



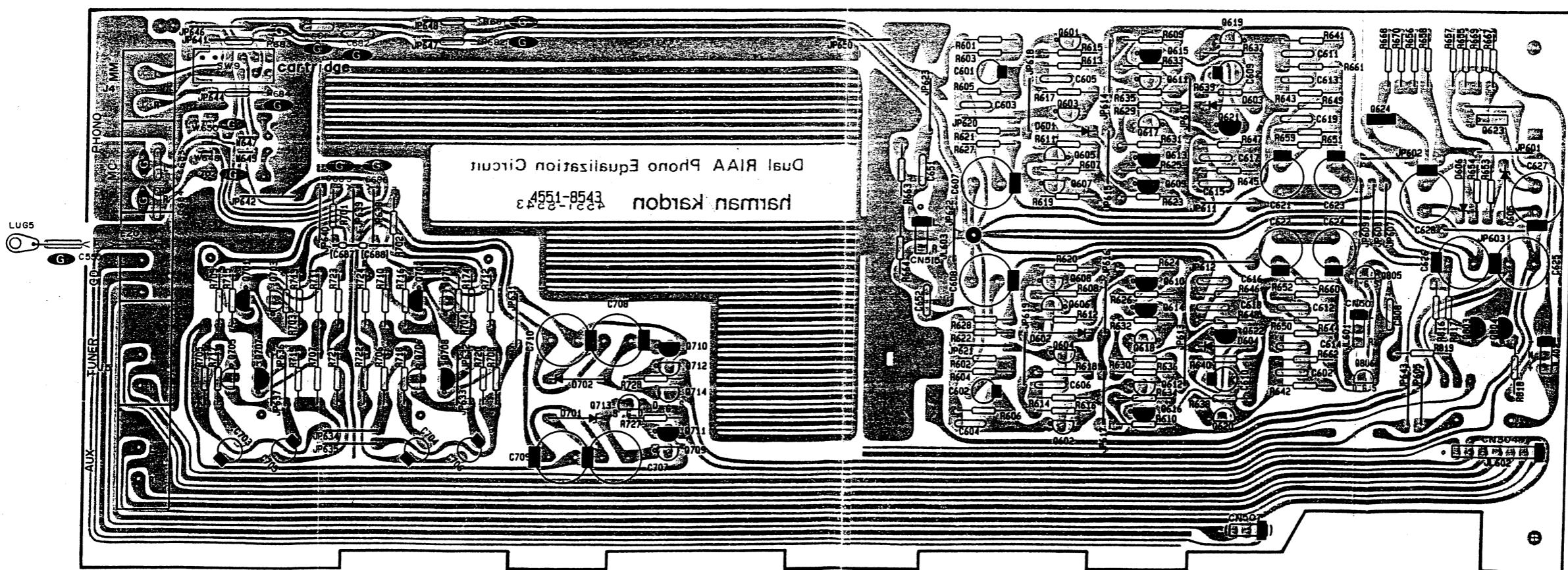
A **B** **C** **D** **E** **F** **G** **H** **I** **J**



PCB-13 4/8Ω P. C. Board



PCB-11 Equalizer P. C. Board



ELECTRICAL PARTS LIST

771	C401	5345-107B0951	CAP, MINI ELE 100 μ /10V	805	R442	5114-222301	RES, MIL 1/4 2.2K	750	Q430	5014-049A(W)	XISTOR, PNP A	849	R5	5134-103J25P	RES, CBN 1/4P 10K
771	C402	5345-107B0951	CAP, MINI ELE 100 μ /10V	795	△R443	5102-2214713	RES, FUSE 220	755	Q437	5611-1306(O)or(Y)	XISTOR, PNP R	850	R6	5134-222J25P	RES, CBN 1/4P 2.2K
776	C403	5359-2715851	CAP, PPP 270p	795	△R444	5102-2214713	RES, FUSE 220	755	Q438	5611-1306(O)or(Y)	XISTOR, PNP R	851	R7	5134-473J25P	RES, CBN 1/4P 47K
776	C404	5359-2715851	CAP, PPP 270p	795	△R445	5102-2214713	RES, FUSE 220	752	Q439	5613-3298(O)or(Y)	XISTOR, NPN R	852	R8	5134-334J25P	RES, CBN 1/4P 330K
773	C405	5345-337D041	CAP, MINI ELE 330 μ /25V	795	△R446	5102-2214713	RES, FUSE 220	752	Q440	5613-3298(O)or(Y)	XISTOR, NPN R	853	R9	5134-104J25P	RES, CBN 1/4P 100K
773	C406	5345-337D041	CAP, MINI ELE 330 μ /25V	804	R447	5174-153381	RES, MTL 1/4 15K	742	Q449	5611-970(BL)	XISTOR, PNP R	853	R10	5134-104J25P	RES, CBN 1/4P 100K
780	C407	5353-040934	CAP, MCA 4p	804	R448	5174-153381	RES, MTL 1/4 15K	742	Q450	5611-970(BL)	XISTOR, PNP R	849	R11	5134-103J25P	RES, CBN 1/4P 10K
780	C408	5353-040934	CAP, MCA 4p	804	R449	5174-153381	RES, MTL 1/4 15K				DIODES	854	R12	5134-225J25P	RES, CBN 1/4P 2.2M
781	C409	5353-680534	CAP, MCA 68p	795	△R451	5102-2214713	RES, FUSE 220	763	D401	5631-IS2473	DIODE, DET	855	R13	5134-684J25P	RES, CBN 1/4P 680K
781	C410	5353-680534	CAP, MCA 68p	795	△R452	5102-2214713	RES, FUSE 220	763	D402	5631-IS2473	DIODE, DET	856	R14	5134-184J25P	RES, CBN 1/4P 180K
772	C411	5345-106C0951	CAP, MINI ELE 10 μ /16V	795	△R453	5102-2214713	RES, FUSE 220	764	D403	5635-HZ15-2L	DIODE, ZENER	853	R15	5134-104J25P	RES, CBN 1/4P 100K
772	C412	5345-106C0951	CAP, MINI ELE 10 μ /16V	795	△R454	5102-2214713	RES, FUSE 220	764	D404	5635-HZ15-2L	DIODE, ZENER	851	R16	5134-473J25P	RES, CBN 1/4P 47K
774	C413	5345-477J0962	CAP, MINI ELE 470 μ /100V	819	R455	5134-561J25P	RES, CBN 1/4P 560				CONTROLS	857	R17	5134-223J25P	RES, CBN 1/4P 22K
774	C414	5345-477J0962	CAP, MINI ELE 470 μ /100V	819	R456	5134-561J25P	RES, CBN 1/4P 560	791	VR401	5101-6838875	RES, SEMI FIX 68K	851	R18	5134-473J25P	RES, CBN 1/4P 47K
774	C415	5345-477J0962	CAP, MINI ELE 470 μ /100V	820	R457	5134-471J25P	RES, CBN 1/4P 470	791	VR402	5101-6838875	RES, SEMI FIX 68K	858	R19	5134-152J25P	RES, CBN 1/4P 1.5K
774	C416	5345-477J0962	CAP, MINI ELE 470 μ /100V	820	R458	5134-471J25P	RES, CBN 1/4P 470	792	VR403	5101-4717675	RES, SEMI FIX 470	857	R20	5134-223J25P	RES, CBN 1/4P 22K
772	C417	5345-106C0951	CAP, MINI ELE 10 μ /16V	807	R459	5134-131J25P	RES, CBN 1/4P 130	792	VR404	5101-4717675	RES, SEMI FIX 470	859	R21	5134-393J25P	RES, CBN 1/4P 39K
772	C418	5345-106C0951	CAP, MINI ELE 10 μ /16V	807	R460	5134-131J25P	RES, CBN 1/4P 130				MISCELLANEOUS	849	R22	5134-103J25P	RES, CBN 1/4P 10K
0678	C431	5361-101KB	CAP, CER 100p  	794	△R461	5102-1005711	RES, FUSE 10	943	CN103	4443-030185	CONNECTOR	857	R23	5134-223J25P	RES, CBN 1/4P 22K
0678	C432	5361-101KB	CAP, CER 100p  	794	△R462	5102-1005711	RES, FUSE 10	789	LCN527	4163-0107020	CONNECTOR W/W	851	R24	5134-473J25P	RES, CBN 1/4P 47K
0668	C557	5361-101KB	CAP, CER 100p  	794	△R463	5102-1005711	RES, FUSE 10	967	JL518	4242-R0307201	JUMPER LEAD	882	△R25	5102-6804713	RES, FUSE 68
0668	C558	5361-101KB	CAP, CER 100p  	794	△R464	5102-1005711	RES, FUSE 10	967	JL519	4242-R0307201	JUMPER LEAD	881	R26	5135-101J50P	RES, CBN 1/2P 100
				796	△R465	5102-1014713	RES, FUSE 100	968	JL520	4242-R0304201	JUMPER LEAD	880	R27	5134-682J25P	RES, CBN 1/4P 6.8K
828	R41	5134-223J25P	RES, CBN 1/4P 22K	796	△R466	5102-1014713	RES, FUSE 100	968	JL521	4242-R0304201	JUMPER LEAD	860	R29	5134-562J25P	RES, CBN 1/4P 5.6K
828	R42	5134-223J25P	RES, CBN 1/4P 22K	796	△R467	5102-1014713	RES, FUSE 100	947	TM101	4214-11021	TERMINAL	860	R31	5134-562J25P	RES, CBN 1/4P 5.6K
828	R43	5134-223J25P	RES, CBN 1/4P 22K	796	△R468	5102-1014713	RES, FUSE 100	948	TM102	4214-11031	TERMINAL	860	R32	5134-562J25P	RES, CBN 1/4P 5.6K
828	R44	5134-223J25P	RES, CBN 1/4P 22K	798	△R469	5102-3R3579	RES, FUSE 3.3	950	TM107	4214-11013	TERMINAL	844	R33	5134-152J25P	RES, CBN 1/4P 1.5K
828	R45	5134-223J25P	RES, CBN 1/4P 22K	798	△R470	5102-3R3579	RES, FUSE 3.3				844	R34	5134-152J25P	RES, CBN 1/4P 1.5K	
828	R46	5134-223J25P	RES, CBN 1/4P 22K	798	△R471	5102-3R3579	RES, FUSE 3.3				860	R35	5134-562J25P	RES, CBN 1/4P 5.6K	
847	R67	5134-105J25P	RES, CBN 1/4P 1M	798	△R472	5102-3R3579	RES, FUSE 3.3				860	R36	5134-562J25P	RES, CBN 1/4P 5.6K	
847	R68	5134-105J25P	RES, CBN 1/4P 1M	821	R473	5134-150J25P	RES, CBN 1/4P 15				860	R37	5134-562J25P	RES, CBN 1/4P 5.6K	
808	R401	5134-102J25P	RES, CBN 1/4P 1K	821	R474	5134-150J25P	RES, CBN 1/4P 15	864	C3	5352-1041957	CAP, MTL .1 μ	860	R38	5134-562J25P	RES, CBN 1/4P 5.6K
808	R402	5134-102J25P	RES, CBN 1/4P 1K	821	R475	5134-150J25P	RES, CBN 1/4P 15	864	C4	5352-1041957	CAP, MTL .1 μ	846	R39	5134-472J25P	RES, CBN 1/4P 4.7K
809	R403	5134-223J25P	RES, CBN 1/4P 22K	821	R476	5134-150J25P	RES, CBN 1/4P 15	864	C5	5352-1041957	CAP, MTL .1 μ	846	R40	5134-472J25P	RES, CBN 1/4P 4.7K
809	R404	5134-223J25P	RES, CBN 1/4P 22K	823	△R481	5102-8204713	RES, FUSE 82	864	C6	5352-1041957	CAP, MTL .1 μ	850	R57	5134-222J25P	RES, CBN 1/4P 2.2K
810	R405	5134-683J25P	RES, CBN 1/4P 68K	823	△R482	5102-8204713	RES, FUSE 82	870	△C7	5341-003HM828	CAP, ELE 8200 μ /80V	845	R59	5134-102J25P	RES, CBN 1/4P 1K
810	R406	5134-683J25P	RES, CBN 1/4P 68K	827	R497	5134-273J25P	RES, CBN 1/4P 27K	870	△C8	5341-003HM828	CAP, ELE 8200 μ /80V				

Ser. No.	Ref. No.	Part No.	Description	Ser. No.	Ref. No.	Part No.	Description
760	Q443	5611-1302(O)or(R)	XISTOR, PNP R				PCB-4 SPEAKER P.C.BOARD
760	Q444	5611-1302(O)or(R)	XISTOR, PNP R				RESISTORS
758	Q445	5613-3281(O)or(R)	XISTOR, NPN R				826 R493 5134-102J25P RES, CBN 1/4P IK
758	Q446	5613-3281(O)or(R)	XISTOR, NPN R				826 R494 5134-102J25P RES, CBN 1/4P IK
760	Q447	5611-1302(O)or(R)	XISTOR, PNP R				826 R495 5134-102J25P RES, CBN 1/4P IK
760	Q448	5611-1302(O)or(R)	XISTOR, PNP R				826 R496 5134-102J25P RES, CBN 1/4P IK
		DIODES					MISCELLANEOUS
836	D3	5632-DS135E	DIODE, RECT				927 TM901 4214-156 TERMINAL
836	D4	5632-DS135E	DIODE, RECT				
835	D5	5635-HZ6A-2L	DIODE, ZENER				
837	D6	5631-IS2473	DIODE, DET				
874	D7	5635-HZ15-2L	DIODE, ZENER				
872	D8	5631-IS2473	DIODE, DET				
869	△D13	5685-DSFB20F1	SILICON, BRIG				
869	△D14	5685-DSFB20F1	SILICON, BRIG				
765	D405	5632-10DF2	DIODE, RECT	729 C17 5345-337D041	CAP, MINI ELE 330μ/25V		
765	D406	5632-10DF2	DIODE, RECT	729 C18 5345-337D041	CAP, MINI ELE 330μ/25V		
765	D407	5632-10DF2	DIODE, RECT	730 C21 5345-227D041	CAP, MINI ELE 220μ/25V		
765	D408	5632-10DF2	DIODE, RECT	730 C22 5345-227D041	CAP, MINI ELE 220μ/25V		
762	D409	5641-MV12YM	VARISTOR	731 C61 5345-107C041	CAP, MINI ELE 100μ/16V		
762	D410	5641-MV12YM	VARISTOR	731 C62 5345-107C041	CAP, MINI ELE 100μ/16V		
		COILS		730 C63 5345-227D041	CAP, MINI ELE 220μ/25V		
769	L401	5597-45502	CORE, BEADS	730 C64 5345-227D041	CAP, MINI ELE 220μ/25V		
769	L402	5597-45502	CORE, BEADS	664 C501 5353-181534	CAP, MCA 180p		
769	L403	5597-45502	CORE, BEADS	664 C502 5353-181534	CAP, MCA 180p		
769	L404	5597-45502	CORE, BEADS	660 C508 5345-106C0951	CAP, MINI ELE 10μ/16V		
768	L405	5991-7165	SPRING COIL	667 C511 5353-010934	CAP, MCA 1p		
768	L406	5991-7165	SPRING COIL	667 C512 5353-010934	CAP, MCA 1p		
		MISCELLANEOUS		651 C513 5345-226D0951	CAP, MINI ELE 22μ/25V		
779	LCN511	4163-0145024	CONNECTOR W/W	661 C514 5345-226D0951	CAP, MINI ELE 22μ/25V		
782	LCN512	4163-0145025	CONNECTOR W/W	668 C515 5353-330534	CAP, MCA 33p		
783	LCN513	4163-0145026	CONNECTOR W/W	668 C516 5353-330534	CAP, MCA 33p		
784	LCN514	4163-0145027	CONNECTOR W/W	668 C517 5353-330534	CAP, MCA 33p		
788	LCN515	4163-0110024	CONNECTOR W/W	668 C518 5353-330534	CAP, MCA 33p		
788	LCN516	4163-0110024	CONNECTOR W/W	662 C519 5345-476C0951	CAP, MINI ELE 47μ/16V		
945	CN101	4443-030185	CONNECTOR	662 C520 5345-476C0951	CAP, MINI ELE 47μ/16V		
945	CN102	4443-030185	CONNECTOR	659 C543 5345-227D041	CAP, MINI ELE 220μ/25V		
949	TM103	4214-11033	TERMINAL	659 C544 5345-227D041	CAP, MINI ELE 220μ/25V		
949	TM104	4214-11033	TERMINAL	666B C557 5361-101KB	CAP, CER 100p		
946	TM105	4214-11021	TERMINAL	666C C557 5361-101KB	CAP, CER 100p		
946	TM106	4214-11021	TERMINAL	666B C558 5361-101KB	CAP, CER 100p		
				660 C507 5345-106C0951	CAP, MINI ELE 10μ/16V		
		PCB-3 POWER SWITCH P.C.BOARD		625 C901 5345-104F0951	CAP, MINI ELE .1μ/50V		
		CAPACITORS		625 C902 5345-104F0951	CAP, MINI ELE .1μ/50V		
863	△CI	5352-1030959	CAP, MTL .01μ U BK	629 C903 5354-154593	CAP, MYL .15μ		
863B	△CI	5352-1030958	CAP, MTL .01μ G GB	629 C904 5354-154593	CAP, MYL .15μ		
863D	△CI	5352-1030961	CAP, MTL .01μ N	627 C905 5345-107D045	CAP, MINI ELE 100μ/25V		
		RESISTORS		627 C906 5345-107D045	CAP, MINI ELE 100μ/25V		
042B	△R101	5135-335J50P	RES, CBN 1/2P 3.3M G GB	630 C907 5354-334593	CAP, MYL .33μ		
		MISCELLANEOUS		630 C908 5354-334593	CAP, MYL .33μ		
891	△SW8	4431-A027160	SWITCH, PUSH	626 C909 5345-224F0951	CAP, MINI ELE .22μ/50V		
928	TM202	4214-122	TERMINAL	626 C910 5345-224F0951	CAP, MINI ELE .22μ/50V		
928	TM203	4214-122	TERMINAL	624 C911 5345-227D041	CAP, MINI ELE 220μ/25V		
				624 C912 5345-227D041	CAP, MINI ELE 220μ/25V		
		RESISTORS					
				732 △R47 5102-1214715	RES, FUSE 120		
				732 △R48 5102-1214715	RES, FUSE 120		
				734 R49 5176-S010J271	RES, MTL 1/2 270		
				734 R50 5176-S010J271	RES, MTL 1/2 270		
				734 R51 5176-S010J271	RES, MTL 1/2 270		
				734 R52 5176-S010J271	RES, MTL 1/2 270		
				734 R53 5176-S010J271	RES, MTL 1/2 270		
				734 R54 5176-S010J271	RES, MTL 1/2 270		
				940 R56 5134-152J25P	RES, CBN 1/4P 1.5K		
				733 △R61 5102-3914715	RES, FUSE 390		
				733 △R62 5102-3914715	RES, FUSE 390		
				735 R63 5176-S010J391	RES, MTL 1/2 390		
				735 R64 5176-S010J391	RES, MTL 1/2 390		
				735 R65 5176-S010J391	RES, MTL 1/2 390		
				735 R66 5176-S010J391	RES, MTL 1/2 390		
				737 R69 5134-153J25P	RES, CBN 1/4P 1.5K		

Ser. No.	Ref. No.	Part No.	Description	Ser. No.	Ref. No.	Part No.	Description
737	R70	5134-153J25P	RES, CBN 1/4P 15K	721	Q5	5613-3422(O)or(Y)	XISTOR, NPN R
736	R71	5134-123J25P	RES, CBN 1/4P 12K	722	Q6	5611-1359(O)or(Y)	XISTOR, PNP R
736	R72	5134-123J25P	RES, CBN 1/4P 12K	721	Q11	5613-3422(O)or(Y)	XISTOR, NPN R
738	△R91	5102-1014715	RES, FUSE 100	722	Q12	5611-1359(O)or(Y)	XISTOR, PNP R
738	△R92	5102-1014715	RES, FUSE 100	651	Q501	5613-2320L(F)	XISTOR, NPN R
681	R501	5134-102J25P	RES, CBN 1/4P 1K	651	Q502	5613-2320L(F)	XISTOR, NPN R
681	R502	5134-102J25P	RES, CBN 1/4P 1K	651	Q503	5613-2320L(F)	XISTOR, NPN R
683	R505	5134-394J25P	RES, CBN 1/4P 390K	651	Q504	5613-2320L(F)	XISTOR, NPN R
683	R506	5134-394J25P	RES, CBN 1/4P 390K	652	Q505	5613-2603(E)or(F)	XISTOR, NPN R
682	R507	5134-274J25P	RES, CBN 1/4P 270K	652	Q506	5613-2603(E)or(F)	XISTOR, NPN R
682	R508	5134-274J25P	RES, CBN 1/4P 270K	652	Q507	5613-2603(E)or(F)	XISTOR, NPN R
700	R511	5134-331J25P	RES, CBN 1/4P 330	652	Q508	5613-2603(E)or(F)	XISTOR, NPN R
700	R512	5134-331J25P	RES, CBN 1/4P 330	653	Q509	5611-1115(E)or(F)	XISTOR, PNP R
684	R519	5134-473J25P	RES, CBN 1/4P 47K	653	Q510	5611-1115(E)or(F)	XISTOR, PNP R
684	R520	5134-473J25P	RES, CBN 1/4P 47K	652	Q511	5613-2603(E)or(F)	XISTOR, NPN R
685	R521	5134-332J25P	RES, CBN 1/4P 3.3K	652	Q512	5613-2603(E)or(F)	XISTOR, NPN R
685	R522	5134-332J25P	RES, CBN 1/4P 3.3K	653	Q513	5611-1115(E)or(F)	XISTOR, PNP R
685	R523	5134-332J25P	RES, CBN 1/4P 3.3K	653	Q514	5611-1115(E)or(F)	XISTOR, PNP R
685	R524	5134-332J25P	RES, CBN 1/4P 3.3K	655	Q515	5611-992(E)	XISTOR, PNP R
686	R525	5134-471J25P	RES, CBN 1/4P 470	655	Q516	5611-992(E)	XISTOR, PNP R
686	R526	5134-471J25P	RES, CBN 1/4P 470	654	Q517	5613-1845(E)	XISTOR, NPN R
686	R527	5134-471J25P	RES, CBN 1/4P 470	654	Q518	5613-1845(E)	XISTOR, NPN R
686	R528	5134-471J25P	RES, CBN 1/4P 470	621	Q901	5613-2603(F)or(E)	XISTOR, NPN R
687	R529	5134-331J25P	RES, CBN 1/4P 330	621	Q902	5613-2603(F)or(E)	XISTOR, NPN R
687	R530	5134-331J25P	RES, CBN 1/4P 330	622	Q903	5611-1115(F)or(E)	XISTOR, PNP R
688	R531	5134-222J25P	RES, CBN 1/4P 2.2K	622	Q904	5611-1115(F)or(E)	XISTOR, PNP R
688	R532	5134-222J25P	RES, CBN 1/4P 2.2K	621	Q905	5613-2603(F)or(E)	XISTOR, NPN R
688	R533	5134-222J25P	RES, CBN 1/4P 2.2K	621	Q906	5613-2603(F)or(E)	XISTOR, NPN R
689	R535	5134-274J25P	RES, CBN 1/4P 270K				DIODES
689	R536	5134-274J25P	RES, CBN 1/4P 270K	726	D9	5635-HZ24-2L	DIODE, ZENER
690	R537	5134-153J25P	RES, CBN 1/4P 15K	726	D10	5635-HZ24-2L	DIODE, ZENER
690	R538	5134-153J25P	RES, CBN 1/4P 15K	727	D11	5635-HZ15-2L	DIODE, ZENER
687	R539	5134-331J25P	RES, CBN 1/4P 330	727	D12	5635-HZ15-2L	DIODE, ZENER
687	R540	5134-331J25P	RES, CBN 1/4P 330	657	D503	5631-IS2473	DIODE, DET
687	R541	5134-331J25P	RES, CBN 1/4P 330	657	D504	5631-IS2473	DIODE, DET
691	R553	5134-121J25P	RES, CBN 1/4P 120				CONTROLS
691	R554	5134-121J25P	RES, CBN 1/4P 120	913	VR501	5113-50396122	RES, V CBN 16 50K
684	R555	5134-473J25P	RES, CBN 1/4P 47K	913	VR502	5113-50396122	RES, V CBN 16 50K
684	R556	5134-473J25P	RES, CBN 1/4P 47K	909	VR505	5113-50373148	RES, V CBN 16 50K
688	R561	5134-222J25P	RES, CBN 1/4P 2.2K	909	VR506	5113-50373148	RES, V CBN 16 50K
688	R562	5134-222J25P	RES, CBN 1/4P 2.2K	911	VR507	5113-10474148	RES, V CBN 16 100K
641	R901	5134-102J25P	RES, CBN 1/4P 1K	911	VR508	5113-10474148	RES, V CBN 16 100K
641	R902	5134-102J25P	RES, CBN 1/4P 1K				MISCELLANEOUS
632	R903	5134-684J25P	RES, CBN 1/4P 680K	969	JL501	4242-R0403201	JUMPER LEAD
632	R904	5134-684J25P	RES, CBN 1/4P 680K	970	JL502	4242-R0307800	JUMPER LEAD
633	R905	5134-224J25P	RES, CBN 1/4P 220K	971	JL503	4242-R0407181	JUMPER LEAD
633	R906	5134-224J25P	RES, CBN 1/4P 220K	972	JL504	4242-R0307551	JUMPER LEAD
634	R907	5134-332J25P	RES, CBN 1/4P 3.3K	973	JL505	4242-R0305800	JUMPER LEAD
634	R908	5134-332J25P	RES, CBN 1/4P 3.3K	974	JL506	4242-R0307601	JUMPER LEAD
634	R909	5134-332J25P	RES, CBN 1/4P 3.3K	975	JL507	4242-R0303141	JUMPER LEAD
634	R910	5134-332J25P	RES, CBN 1/4P 3.3K	970	JL508	4242-R0307800	JUMPER LEAD
635	R911	5134-183J25P	RES, CBN 1/4P 18K	970	JL509	4242-R0307800	JUMPER LEAD
635	R912	5134-183J25P	RES, CBN 1/4P 18K	970	JL510	4242-R0307800	JUMPER LEAD
636	R913	5134-472J25P	RES, CBN 1/4P 4.7K	970	JL511	4242-R0307800	JUMPER LEAD
636	R914	5134-472J25P	RES, CBN 1/4P 4.7K	976	JL515	4242-R0303551	JUMPER LEAD
638	R915	5134-562J25P	RES, CBN 1/4P 5.6K	978	JL516	4242-R0403181	JUMPER LEAD
638	R916	5134-562J25P	RES, CBN 1/4P 5.6K	979	JL517	4242-R0403181	JUMPER LEAD
634	R917	5134-332J25P	RES, CBN 1/4P 3.3K	981	JL801	4242-R0304651	JUMPER LEAD
634	R918	5134-332J25P	RES, CBN 1/4P 3.3K	980	JL802	4242-R0304651	JUMPER LEAD
635	R919	5134-183J25P	RES, CBN 1/4P 18K	897	SW1	4424-00102045	SWITCH, RO-SL
635	R920	5134-183J25P	RES, CBN 1/4P 18K	898	SW2	4424-00103065	SWITCH, RO-SL
637	R921	5134-331J25P	RES, CBN 1/4P 330	899	SW3	4424-00101043	SWITCH, RO-SL
637	R922	5134-331J25P	RES, CBN 1/4P 330	708	LCN519	4163-0125020	CONNECTOR W/W
634	R923	5134-332J25P	RES, CBN 1/4P 3.3K	709	LCN528	4163-0125024	CONNECTOR W/W
634	R924	5134-332J25P	RES, CBN 1/4P 3.3K				
639	R925	5134-221J25P	RES, CBN 1/4P 220				
639	R926	5134-221J25P	RES, CBN 1/4P 220				
637	R927	5134-331J25P	RES, CBN 1/4P 330				
637	R928	5134-331J25P	RES, CBN 1/4P 330				
640	R929	5134-104J25P	RES, CBN 1/4P 100K				
640	R930	5134-104J25P	RES, CBN 1/4P 100K				

Ser. No.	Ref. No.	Part No.	Description	Ser. No.	Ref. No.	Part No.	Description
PCB-6 TONE 2 P.C.BOARD							
CAPACITORS							
933	C75	5345-106C095I	CAP, MINI ELE 10 μ /16V	703	R509	5134-472J25P	RES, CBN 1/4P 4.7K
933	△C76	5345-106C095I	CAP, MINI ELE 10 μ /16V	703	R510	5134-472J25P	RES, CBN 1/4P 4.7K
643	C503	5354-394593	CAP, MYL .39 μ				
643	C504	5354-394593	CAP, MYL .39 μ	907	VR503	5113-10472147	RES, V CBN 16 100K
644	C505	5354-183J1HM	CAP, MYL .018 μ	907	VR504	5113-10472147	RES, V CBN 16 100K
644	C506	5354-183J1HM	CAP, MYL .018 μ				
669	C521	5354-224593	CAP, MYL .22 μ	942	CN514	4443-030185	CONNECTOR
669	C522	5354-224593	CAP, MYL .22 μ				
679	C523	5354-393J1HM	CAP, MYL .039 μ				
679	C524	5354-393J1HM	CAP, MYL .039 μ				
672	C527	5354-183J1HM	CAP, MYL .018 μ				
672	C528	5354-183J1HM	CAP, MYL .018 μ				
674	C533	5354-104593	CAP, MYL .1 μ				
674	C534	5354-104593	CAP, MYL .1 μ				
677	C535	5354-682J1HM	CAP, MYL 6800p				
677	C536	5354-682J1HM	CAP, MYL 6800p				
679	C537	5354-393J1HM	CAP, MYL .039 μ				
679	C538	5354-393J1HM	CAP, MYL .039 μ				
665	C539	5359-202585I	CAP, PPP 2000p				
665	C540	5359-202585I	CAP, PPP 2000p				
678	C541	5354-123J1HM	CAP, MYL .012 μ				
678	C542	5354-123J1HM	CAP, MYL .012 μ				
0598	C554	5361-223ZF	CAP, CER .022 μ G GB				
RESISTORS							
938	R55	5134-152J25P	RES, CBN 1/4P 1.5K	934	C78	5345-106C0356	CAP, MINI ELE 10 μ /16V
939	R58	5134-122J25P	RES, CBN 1/4P 1.2K	934	C79	5345-106C0356	CAP, MINI ELE 10 μ /16V
646	R503	5134-105J25P	RES, CBN 1/4P 1M	935	D78	5637-SLP965B	LED
646	R504	5134-105J25P	RES, CBN 1/4P 1M	935	D79	5637-SLP965B	LED
702	R543	5134-102J25P	RES, CBN 1/4P 1K				
702	R544	5134-102J25P	RES, CBN 1/4P 1K				
697	R545	5134-153J25P	RES, CBN 1/4P 15K				
697	R546	5134-153J25P	RES, CBN 1/4P 15K				
692	R547	5134-272J25P	RES, CBN 1/4P 2.7K				
692	R548	5134-272J25P	RES, CBN 1/4P 2.7K				
693	R549	5134-331J25P	RES, CBN 1/4P 330				
693	R550	5134-331J25P	RES, CBN 1/4P 330				
699	R551	5134-122J25P	RES, CBN 1/4P 1.2K				
699	R552	5134-122J25P	RES, CBN 1/4P 1.2K				
697	R557	5134-153J25P	RES, CBN 1/4P 15K				
697	R558	5134-153J25P	RES, CBN 1/4P 15K				
698	R559	5134-272J25P	RES, CBN 1/4P 2.7K				
698	R560	5134-272J25P	RES, CBN 1/4P 2.7K				
695	R581	5134-184J25P	RES, CBN 1/4P 180K				
695	R582	5134-184J25P	RES, CBN 1/4P 180K				
696	R583	5134-223J25P	RES, CBN 1/4P 22K				
696	R584	5134-223J25P	RES, CBN 1/4P 22K				
701	R589	5134-391J25P	RES, CBN 1/4P 390				
701	R590	5134-391J25P	RES, CBN 1/4P 390				
DIODES							
936	D52	5637-GL5HD10	LED	618	R80	5134-153J25P	RES, CBN 1/4P 15K
936	D53	5637-GL5HD10	LED	615	△R81	5102-3304715	RES, FUSE 33
936	D54	5637-GL5HD10	LED	617	R82	5176-S010J680	RES, MTL 1/2 68
936	D55	5637-GL5HD10	LED	617	R83	5176-S010J680	RES, MTL 1/2 68
936	D56	5637-GL5HD10	LED	617	R84	5176-S010J680	RES, MTL 1/2 68
936	D57	5637-GL5HD10	LED	649	R585	5134-102J25P	RES, CBN 1/4P 1K
936	D58	5637-GL5HD10	LED	649	R586	5134-102J25P	RES, CBN 1/4P 1K
937	D59	5637-5NG510(C)	LED	648	R587	5134-471J25P	RES, CBN 1/4P 470
MISCELLANEOUS							
983	JL514	4242-R0403101	JUMPER LEAD	648	R588	5134-471J25P	RES, CBN 1/4P 470
894	SW4	4431-A027161	SWITCH, PUSH	601	R801	5232-272J16P	RES, CBN 1/6P 2.7K
893	SW5	4431-05127259	SWITCH, PUSH	600	R802	5232-122J16P	RES, CBN 1/6P 1.2K
892	SW7	4431-05127159	SWITCH, PUSH	603	R803	5232-393J16P	RES, CBN 1/6P 39K
PCB-7 VOLUME P.C.BOARD							
RESISTORS							
703	R509	5134-472J25P	RES, CBN 1/4P 4.7K				
703	R510	5134-472J25P	RES, CBN 1/4P 4.7K				
CONTROLS							
907	VR503	5113-10472147	RES, V CBN 16 100K				
907	VR504	5113-10472147	RES, V CBN 16 100K				
MISCELLANEOUS							
942	CN514	4443-030185	CONNECTOR				
PCB-8 CAPACITANCE TRIM P.C.BOARD							
CAPACITORS							
558	C653	5359-151585I	CAP, PPP 150p				
558	C654	5359-151585I	CAP, PPP 150p				
559	C655	5359-511585I	CAP, PPP 510p				
559	C656	5359-511585I	CAP, PPP 510p				
901	SW12	4411-204714	SWITCH, ROTARY				
PCB-9 4/8Ω LED P.C.BOARD							
CAPACITORS							
934	C78	5345-106C0356	CAP, MINI ELE 10 μ /16V				
934	C79	5345-106C0356	CAP, MINI ELE 10 μ /16V				
DIODES							
935	D78	5637-SLP965B	LED				
935	D79	5637-SLP965B	LED				
PCB-10 PIN JACK P.C.BOARD							
CAPACITORS							
613	C80	5345-337C04I	CAP, MINI ELE 330 μ /16V				
613	C81	5345-337C04I	CAP, MINI ELE 330 μ /16V				
060B	C551	5361-223ZF	CAP, CER .022 μ G GB				
060B	C552	5361-223ZF	CAP, CER .022 μ G GB				
060B	C553	5361-223ZF	CAP, CER .022 μ G GB				
598	C802	5345-106C04I	CAP, MINI ELE 10 μ /16V				
596	C811	5345-107B04I	CAP, MINI ELE 100 μ /10V				
596	C812	5345-107B04I	CAP, MINI ELE 100 μ /10V				
596	C813	5345-107B04I	CAP, MINI ELE 100 μ /10V				
597	C814	5345-337B04I	CAP, MINI ELE 330 μ /10V				
597	C815	5345-337B04I	CAP, MINI ELE 330 μ /10V				
597	C816	5345-337B04I	CAP, MINI ELE 330 μ /10V				
RESISTORS							
618	R80	5134-153J25P	RES, CBN 1/4P 15K				
615	△R81	5102-3304715	RES, FUSE 33				
617	R82	5176-S010J680	RES, MTL 1/2 68				
617	R83	5176-S010J680	RES, MTL 1/2 68				
617	R84	5176-S010J680	RES, MTL 1/2 68				
649	R585	5134-102J25P	RES, CBN 1/4P 1K				
649	R586	5134-102J25P	RES, CBN 1/4P 1K				
648	R587	5134-471J25P	RES, CBN 1/4P 470				
648	R588	5134-471J25P	RES, CBN 1/4P 470				
601	R801	5232-272J16P	RES, CBN 1/6P 2.7K				
600	R802	5232-122J16P	RES, CBN 1/6P 1.2K				
603	R803	5232-393J16P	RES, CBN 1/6P 39K				
603	R804	5232-393J16P	RES, CBN 1/6P 39K				
603	R805	5232-393J16P	RES, CBN 1/6P 39K				
603	R806	5232-393J16P	RES, CBN 1/6P 39K				
603	R807	5232-393J16P	RES, CBN 1/6P 39K				
603	R808	5232-393J16P	RES, CBN 1/6P 39K				
602	R810	5232-750J16P	RES, CBN 1/6P 75				
602	R811	5232-750J16P	RES, CBN 1/6P 75				
602	R812	5232-750J16P	RES, CBN 1/6P 75				
602	R813	5232-750J16P	RES, CBN 1/6P 75				
602	R814	5232-750J16P	RES, CBN 1/6P 75				
602	R815	5232-750J16P	RES, CBN 1/6P 75				

Ser. No.	Ref. No.	Part No.	Description	Ser. No.	Ref. No.	Part No.	Description
604	R820	5232-271J16P	RES, CBN 1/6P 270	716	C626	5345-337D041	CAP, MINI ELE 330 μ /25V
604	R821	5232-271J16P	RES, CBN 1/6P 270	716	C627	5345-337D041	CAP, MINI ELE 330 μ /25V
604	R822	5232-271J16P	RES, CBN 1/6P 270	716	C628	5345-337D041	CAP, MINI ELE 330 μ /25V
605	R823	5232-221J16P	RES, CBN 1/6P 220	557	C651	5359-3315851	CAP, PPP 330p
605	R824	5232-221J16P	RES, CBN 1/6P 220	557	C652	5359-3315851	CAP, PPP 330p
605	R825	5232-221J16P	RES, CBN 1/6P 220	053B	C681	5353-330534	CAP, MCA 33p (G) GB
605	R826	5232-221J16P	RES, CBN 1/6P 220	053B	C682	5353-330534	CAP, MCA 33p (G) GB
605	R827	5232-221J16P	RES, CBN 1/6P 220	052B	C683	5354-473593	CAP, MYL .047 μ (G) GB
605	R828	5232-221J16P	RES, CBN 1/6P 220	052B	C684	5354-473593	CAP, MYL .047 μ (G) GB
606	R829	5232-331J16P	RES, CBN 1/6P 330	051B	C685	5359-6815851	CAP, PPP 680p (G) GB
606	R830	5232-331J16P	RES, CBN 1/6P 330	051B	C686	5359-6815851	CAP, PPP 680p (G) GB
606	R831	5232-331J16P	RES, CBN 1/6P 330	512	C703	5345-106F0951	CAP, MINI ELE 10 μ /50V
		TRANSISTORS		512	C704	5345-106F0951	CAP, MINI ELE 10 μ /50V
593	Q80	5613-3422(0)or(Y)	XISTOR, NPN R	512	C705	5345-106F0951	CAP, MINI ELE 10 μ /50V
593	Q810	5611-1115(E)or(F)	XISTOR, PNP R	512	C706	5345-106F0951	CAP, MINI ELE 10 μ /50V
594	Q811	5613-2603(E)or(F)	XISTOR, NPN R	511	C707	5345-337C041	CAP, MINI ELE 330 μ /16V
593	Q812	5611-1115(E)or(F)	XISTOR, PNP R	511	C708	5345-337C041	CAP, MINI ELE 330 μ /16V
594	Q813	5613-2603(E)or(F)	XISTOR, NPN R	511	C709	5345-337C041	CAP, MINI ELE 330 μ /16V
593	Q814	5611-1115(E)or(F)	XISTOR, PNP R	511	C710	5345-337C041	CAP, MINI ELE 330 μ /16V
594	Q815	5613-2603(E)or(F)	XISTOR, NPN R	587	C808	5354-102J1HM	CAP, MYL 1000p
		DIODE				RESISTORS	
611	D80	5635-HZ12C-2L	DIODE, ZENER	567	R601	5134-470J25P	RES, CBN 1/4P 47
		INTEGRATED CIRCUITS		567	R602	5134-470J25P	RES, CBN 1/4P 47
591	IC801	5654-TC4066BP	IC, DIGITAL	580	R603	5134-823J25P	RES, CBN 1/4P 82K
591	IC802	5654-TC4066BP	IC, DIGITAL	580	R604	5134-823J25P	RES, CBN 1/4P 82K
		MISCELLANEOUS		568	R605	5134-124J25P	RES, CBN 1/4P 120K
921	J2	4484-47	PIN JACK, 4P	568	R606	5134-124J25P	RES, CBN 1/4P 120K
921D	J2	4489-00201004	PIN JACK, MLT	569	R607	5134-473J25P	RES, CBN 1/4P 47K
921	J3	4484-47	PIN JACK, 4P	569	R608	5134-473J25P	RES, CBN 1/4P 47K
921D	J3	4489-00201004	PIN JACK, MLT	570	R609	5134-332J25P	RES, CBN 1/4P 3.3K
924	J6	4486-16	PIN JACK, 6P	570	R610	5134-332J25P	RES, CBN 1/4P 3.3K
924D	J6	4489-00401006	PIN JACK, MLT	570	R611	5134-332J25P	RES, CBN 1/4P 3.3K
925	J7	4489-00101002	PIN JACK, MLT	570	R612	5134-332J25P	RES, CBN 1/4P 3.3K
925D	J7	4489-00102002	PIN JACK, MLT	581	R613	5134-331J25P	RES, CBN 1/4P 330
925	J8	4489-00101002	PIN JACK, MLT	581	R614	5134-331J25P	RES, CBN 1/4P 330
925D	J8	4489-00102002	PIN JACK, MLT	581	R615	5134-331J25P	RES, CBN 1/4P 330
925	J9	4489-00101002	PIN JACK, MLT	581	R616	5134-331J25P	RES, CBN 1/4P 330
925D	J9	4489-00102002	PIN JACK, MLT	581	R617	5134-331J25P	RES, CBN 1/4P 330
592	RL801	5212-473J0301	R COMPOSITE	581	R618	5134-331J25P	RES, CBN 1/4P 330
592	RL802	5212-473J0301	R COMPOSITE	581	R619	5134-331J25P	RES, CBN 1/4P 330
710	LCN529	4163-0130020	CONNECTOR W/W	581	R620	5134-331J25P	RES, CBN 1/4P 330
707	LCN801	4163-0140020	CONNECTOR W/W	561	R621	5174-Z634038	RES, MTL 1/4P 634
		PCB-II EQUALIZER P.C.BOARD		561	R622	5174-Z634038	RES, MTL 1/4P 634
		CAPACITORS		571	R623	5134-222J25P	RES, CBN 1/4P 2.2K
061B	C555	5361-223F	CAP, CER .022 μ (G) GB	571	R624	5134-222J25P	RES, CBN 1/4P 2.2K
545	C601	5345-106D0951	CAP, MINI ELE 10 μ /25V	571	R625	5134-222J25P	RES, CBN 1/4P 2.2K
545	C602	5345-106D0951	CAP, MINI ELE 10 μ /25V	571	R626	5134-222J25P	RES, CBN 1/4P 2.2K
555	C603	5353-1215134	CAP, MCA 120p	565	R627	5174-I02381	RES, MTL 1/4P 1K
555	C604	5353-1215134	CAP, MCA 120p	565	R628	5174-I02381	RES, MTL 1/4P 1K
554	C605	5359-1015851	CAP, PPP 100p	572	R629	5134-682J25P	RES, CBN 1/4P 6.8K
554	C606	5359-1015851	CAP, PPP 100p	572	R630	5134-682J25P	RES, CBN 1/4P 6.8K
546	C607	5345-477B0952	CAP, MINI ELE 470 μ /10V	572	R631	5134-682J25P	RES, CBN 1/4P 6.8K
546	C608	5345-477B0952	CAP, MINI ELE 470 μ /10V	572	R632	5134-682J25P	RES, CBN 1/4P 6.8K
548	C609	5345-226C041	CAP, MINI ELE 22 μ /16V	573	R633	5134-471J25P	RES, CBN 1/4P 470
548	C610	5345-226C041	CAP, MINI ELE 22 μ /16V	573	R634	5134-471J25P	RES, CBN 1/4P 470
551	C611	5354-822J1HM	CAP, MYL 8200p	573	R635	5134-471J25P	RES, CBN 1/4P 470
551	C612	5354-822J1HM	CAP, MYL 8200p	573	R636	5134-471J25P	RES, CBN 1/4P 470
552	C613	5354-223J1HM	CAP, MYL .022 μ	576	R637	5134-330J25P	RES, CBN 1/4P 33
552	C614	5354-223J1HM	CAP, MYL .022 μ	576	R638	5134-330J25P	RES, CBN 1/4P 33
550	C615	5354-562J1HM	CAP, MYL 5600p	576	R639	5134-330J25P	RES, CBN 1/4P 33
550	C616	5354-562J1HM	CAP, MYL 5600p	576	R640	5134-330J25P	RES, CBN 1/4P 33
556	C617	5359-2025851	CAP, PPP 2000p	574	R641	5134-103J25P	RES, CBN 1/4P 10K
556	C618	5359-2025851	CAP, PPP 2000p	574	R642	5134-103J25P	RES, CBN 1/4P 10K
556	C619	5359-2025851	CAP, PPP 2000p	575	R643	5134-122J25P	RES, CBN 1/4P 1.2K
556	C620	5359-2025851	CAP, PPP 2000p	575	R644	5134-122J25P	RES, CBN 1/4P 1.2K
547	C623	5345-106F0951	CAP, MINI ELE 10 μ /50V	564	R645	5174-Z549338	RES, MTL 1/4P 549K
547	C624	5345-106F0951	CAP, MINI ELE 10 μ /50V	563	R647	5174-Z412238	RES, MTL 1/4P 41.2K
716	C625	5345-337D041	CAP, MINI ELE 330 μ /25V	563	R648	5174-Z412238	RES, MTL 1/4P 41.2K
				577	R649	5134-102J25P	RES, CBN 1/4P 1K
				577	R650	5134-102J25P	RES, CBN 1/4P 1K
				579	R651	5134-104J25P	RES, CBN 1/4P 100K
				579	R652	5134-104J25P	RES, CBN 1/4P 100K

Ser. No.	Ref. No.	Part No.	Description	Ser. No.	Ref. No.	Part No.	Description
719	R653	5134-103J25P	RES, CBN 1/4P 10K	537	Q621	5612-647(C)	XISTOR, PNP A
719	R654	5134-103J25P	RES, CBN 1/4P 10K	537	Q622	5612-647(C)	XISTOR, PNP A
718	R655	5176-S010J470	RES, MTL 1/2 47	711	Q623	5613-3298(O)or(Y)	XISTOR, NPN R
718	R656	5176-S010J470	RES, MTL 1/2 47	713	Q624	5611-1306(O)or(Y)	XISTOR, PNP R
717	ΔR657	5102-2204715	RES, FUSE 22	502	Q701	5611-1190(E)	XISTOR, PNP R
717	ΔR658	5102-2204715	RES, FUSE 22	502	Q702	5611-1190(E)	XISTOR, PNP R
578	R659	5134-471J25P	RES, CBN 1/4P 470	501	Q703	5613-2855(D)	XISTOR, NPN R
578	R660	5134-471J25P	RES, CBN 1/4P 470	501	Q704	5613-2855(D)	XISTOR, NPN R
562	R661	5174-Z169338	RES, MTL 1/4 169K	501	Q705	5613-2855(D)	XISTOR, NPN R
562	R662	5174-Z169338	RES, MTL 1/4 169K	501	Q706	5613-2855(D)	XISTOR, NPN R
582	R663	5134-105J25P	RES, CBN 1/4P 1M	502	Q707	5611-1190(E)	XISTOR, PNP R
582	R664	5134-105J25P	RES, CBN 1/4P 1M	502	Q708	5611-1190(E)	XISTOR, PNP R
718	R667	5176-S010J470	RES, MTL 1/2 47	503	Q709	5613-2603(E)or(F)	XISTOR, NPN R
718	R668	5176-S010J470	RES, MTL 1/2 47	504	Q710	5611-1115(E)or(F)	XISTOR, PNP R
718	R669	5176-S010J470	RES, MTL 1/2 47	504	Q711	5611-1115(E)or(F)	XISTOR, PNP R
718	R670	5176-S010J470	RES, MTL 1/2 47	503	Q712	5613-2603(E)or(F)	XISTOR, NPN R
0558	R681	5134-102J25P	RES, CBN 1/4P 1K	505	Q713	5616-2SK373GR	FET, N-CH
0558	R682	5134-102J25P	RES, CBN 1/4P 1K	505	Q714	5616-2SK373GR	FET, N-CH
0558	R683	5134-102J25P	RES, CBN 1/4P 1K	585	Q803	5611-1115(E)	XISTOR, PNP R
0558	R684	5134-102J25P	RES, CBN 1/4P 1K	585	Q804	5611-1115(E)	XISTOR, PNP R
516	R701	5134-1R0J25P	RES, CBN 1/4P 1	586	Q805	5616-2SK364(V)or(BL)	FET, N-CH
516B	R701	5134-5R6J25P	RES, CBN 1/4P 5.6	586	Q806	5616-2SK364(V)or(BL)	FET, N-CH
516	R702	5134-1R0J25P	RES, CBN 1/4P 1				DIODES
516B	R702	5134-5R6J25P	RES, CBN 1/4P 5.6				
519	R703	5134-560J25P	RES, CBN 1/4P 56	541	D601	5631-IS2473	DIODE, DET
519	R704	5134-560J25P	RES, CBN 1/4P 56	541	D602	5631-IS2473	DIODE, DET
521	R705	5134-472J25P	RES, CBN 1/4P 4.7K	542	D603	5641-MV103	VARISTOR
521	R706	5134-472J25P	RES, CBN 1/4P 4.7K	542	D604	5641-MV103	VARISTOR
521	R707	5134-472J25P	RES, CBN 1/4P 4.7K	715	D605	5635-HZ24-2L	DIODE, ZENER
521	R708	5134-472J25P	RES, CBN 1/4P 4.7K	715	D606	5635-HZ24-2L	DIODE, ZENER
517	R709	5134-100J25P	RES, CBN 1/4P 10	508	D701	5635-HZ15-1L	DIODE, ZENER
517	R710	5134-100J25P	RES, CBN 1/4P 10	508	D702	5635-HZ15-1L	DIODE, ZENER
517	R711	5134-100J25P	RES, CBN 1/4P 10				COILS
517	R712	5134-100J25P	RES, CBN 1/4P 10	056B	L701	5597-3	CORE, BEADS
518	R713	5134-220J25P	RES, CBN 1/4P 22	056B	L702	5597-3	CORE, BEADS
518	R714	5134-220J25P	RES, CBN 1/4P 22	056B	L703	5597-3	CORE, BEADS
518	R715	5134-220J25P	RES, CBN 1/4P 22	056B	L704	5597-3	CORE, BEADS
518	R716	5134-220J25P	RES, CBN 1/4P 22				MISCELLANEOUS
515	R717	5174-561381	RES, MTL 1/4 560	922	J4	4484-31	PIN JACK, 4P
515	R718	5174-561381	RES, MTL 1/4 560	922D	J4	4484-36	PIN JACK, 4P
515	R719	5174-561381	RES, MTL 1/4 560	923	J5	4486-9	PIN JACK, 6P
515	R720	5174-561381	RES, MTL 1/4 560	923D	J5	4486-00301006	PIN JACK, 6P
520	R721	5134-392J25P	RES, CBN 1/4P 3.9K	982	JL402	4242-R0403501	JUMPER LEAD
520	R722	5134-392J25P	RES, CBN 1/4P 3.9K	895	SW9	4422-70211	SWITCH, REMOTE
522	R723	5134-681J25P	RES, CBN 1/4P 680	583	LCN517	4163-0110020	CONNECTOR W/W
522	R724	5134-681J25P	RES, CBN 1/4P 680	944	CN304	4443-070185	CONNECTOR
523	R727	5134-331J25P	RES, CBN 1/4P 330	941	CN501	4443-030185	CONNECTOR
523	R728	5134-331J25P	RES, CBN 1/4P 330	941	CN507	4443-030185	CONNECTOR
588	R816	5134-104J25P	RES, CBN 1/4P 100K	941	CN515	4443-030185	CONNECTOR
588	R817	5134-104J25P	RES, CBN 1/4P 100K				
589	R818	5134-103J25P	RES, CBN 1/4P 10K				
590	R819	5134-105J25P	RES, CBN 1/4P 1M				
PCB-12 HEADPHONE P.C.BOARD							
916	J1	4451-00159	JACK, 1P				
PCB-13 4/8Ω P.C.BOARD							
CAPACITORS							
886	ΔC77	5345-107D041	CAP, MINI ELE 100μ/25V				
885	C96	5345-476C041	CAP, MINI ELE 47μ/16V				
RESISTORS							
888	ΔR76	5102-2714713	RES, FUSE 270				
889	ΔR77	5102-2714715	RES, FUSE 270				
890	ΔR78	5102-5R64713	RES, FUSE 5.6				
DIODES							
884	ΔD75	5632-S5566B	DIODE, RECT				
884	ΔD76	5632-S5566B	DIODE, RECT				
MISCELLANEOUS							
985	JL804	4242-R0303451	JUMPER LEAD				
951	TM301	4214-11034	TERMINAL				

Ser. No.	Ref. No.	Part No.	Description
CHASSIS MISCELLANEOUS			
0448	△CO1	4443-712	CONNECTOR 
866	△FI	5732-502029	FUSE 
866B	△FI	5732-252030	FUSE 
866D	△FI	5732-502050	FUSE 
866	△F2	5732-502029	FUSE 
866B	△F2	5732-252030	FUSE 
866D	△F2	5732-502050	FUSE 
861	△TI	5584-S05	XFORMER, POWER 
861B	△TI	5584-S06	XFORMER, POWER 
861D	△TI	5584-S07	XFORMER, POWER 
861	△T2	5584-S05	XFORMER, POWER 
861B	△T2	5584-S06	XFORMER, POWER 
861D	△T2	5584-S07	XFORMER, POWER 
926	△SO1	4474-156	SOCKET 
930	△PI	4161-71151	CORD W/PLUG 
930B	△PI	4161-7256	CORD W/PLUG 
930D	△PI	4161-71148	CORD W/PLUG 
896	SW102	4421-0227230	SWITCH, SLIDE
896	SW103	4421-0227230	SWITCH, SLIDE
249	LUG1	4211-5005	LUG
249	LUG2	4211-5005	LUG
249	LUG3	4211-5005	LUG
065B	LUG4	4211-4	LUG 
065B	LUG5	4211-4	LUG 
065B	LUG6	4211-4	LUG 
867		4472-014	HOLDER, FUSE 
867B		4472-7118	HOLDER, FUSE 
932		4442-14	PIN PLUG
PACKAGE PARTS LIST			
021B		1756-06303	LABEL 
022B		1756-03108	LABEL 
022D		1756-03113	LABEL 
028B		1119-026	ATTACH SHEET 
106		1111-J90195	OWNER GUIDE 
107		1111-J30273	OWNER GUIDE 
107B		1111-J30274	OWNER GUIDE 
107D		1111-J2040	OWNER GUIDE 
108		1113-717004	OWNER CARD 
108D		1113-OC	OWNER CARD 
109		1119-047	ATTACH SHEET 
109D		1116-GC	ATTACH SHEET 
110		1119-0137	ATTACH SHEET 
121		1241-C12732	POLYETHYLENE BAG
122		1241-C1492	POLYETHYLENE BAG
124		1221-807143	CARTON BOX 
124A		1221-817143	CARTON BOX 
125		1222-7225	CUSHION R
126		1222-7226	CUSHION L
127		1223-11729	SOFT SHEET

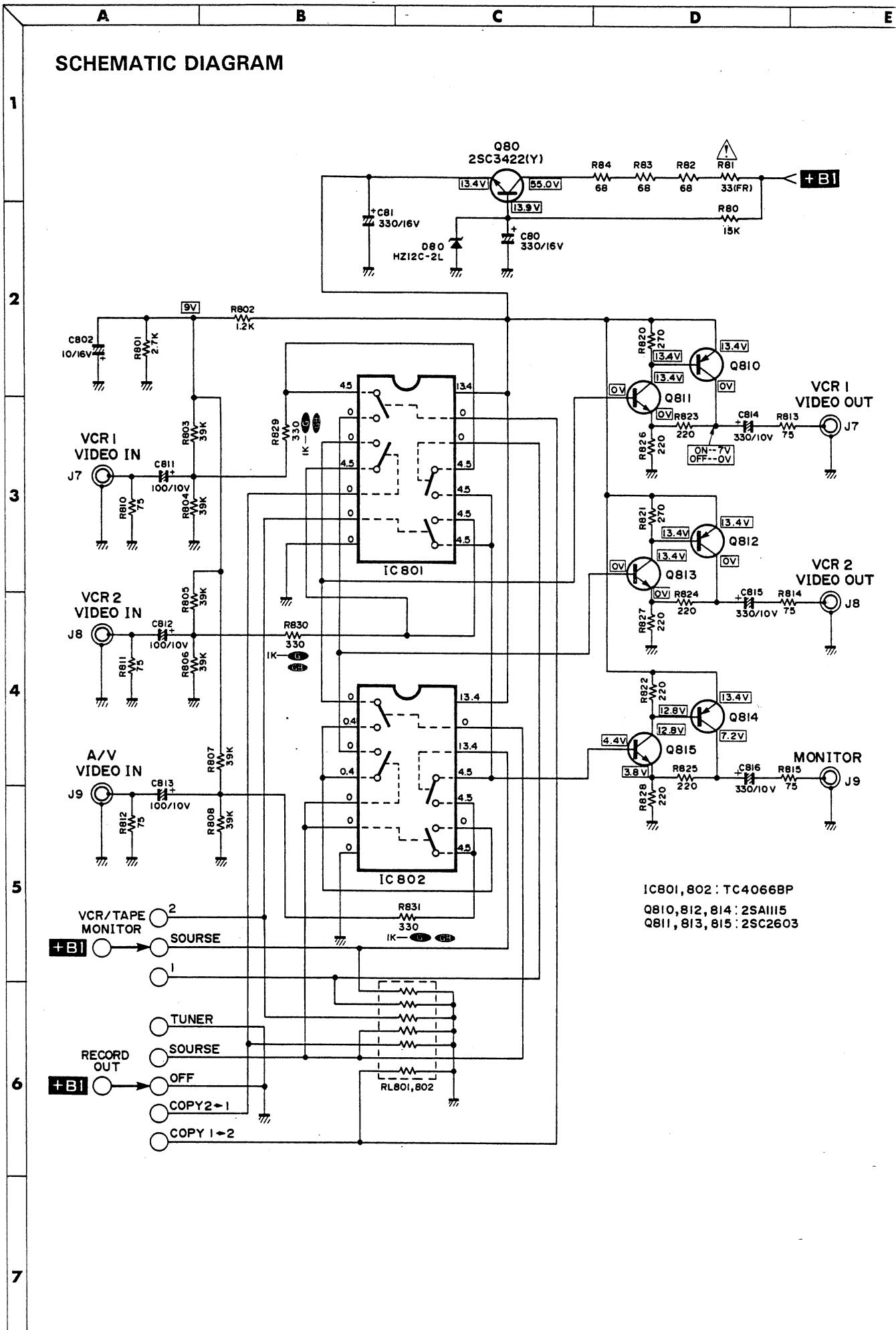
ABBREVIATIONS IN PARTS LIST

CAPACITORS	RESISTORS
CAP, MINI ELE : Electrolytic	RES, CBN 1/6P : Carbon 1/6W
CAP, CER : Ceramic	RES, FUSE : Fuse
CAP, PPP : Polypropylene	RES, CEM 5P : Cement 5W
CAP, MYL : Mylar	RES, MTL 1P : Metal 1W
CAP, MCA : Mica	2.2K : 2.2kΩ
CAP, MINI BP : Bipolar	220 : 220Ω
CAP, ELE BP : Electrolytic Bipolar	TRANSISTORS
CAP, STY : Polystyrene Film	XISTOR : Transistor
CAP, SPE : Special	FET : Field Effect Transistor
CAP, TAN : Tantalum	CONTROLS
470μ : 470μF	RES, V CBN : Variable Carbon Resistor
6800p : 6800pF	RES, SEMI FIX : Semi-fixed Resistor
.047μ : 0.047μF	

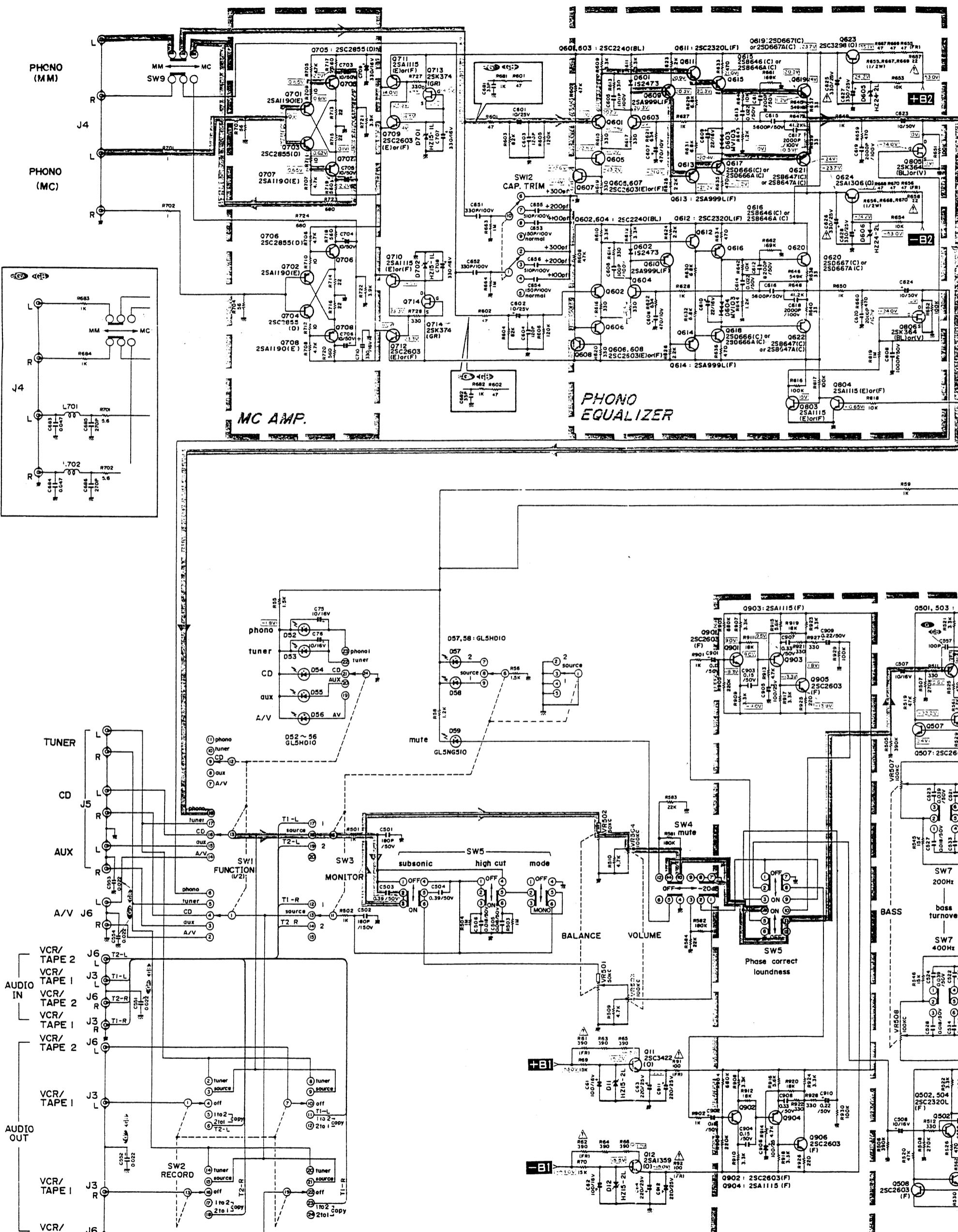
NOTE

 SAFETY RELATED COMPONENT. USE ONLY EXACT REPLACEMENT PART AS SPECIFIED.

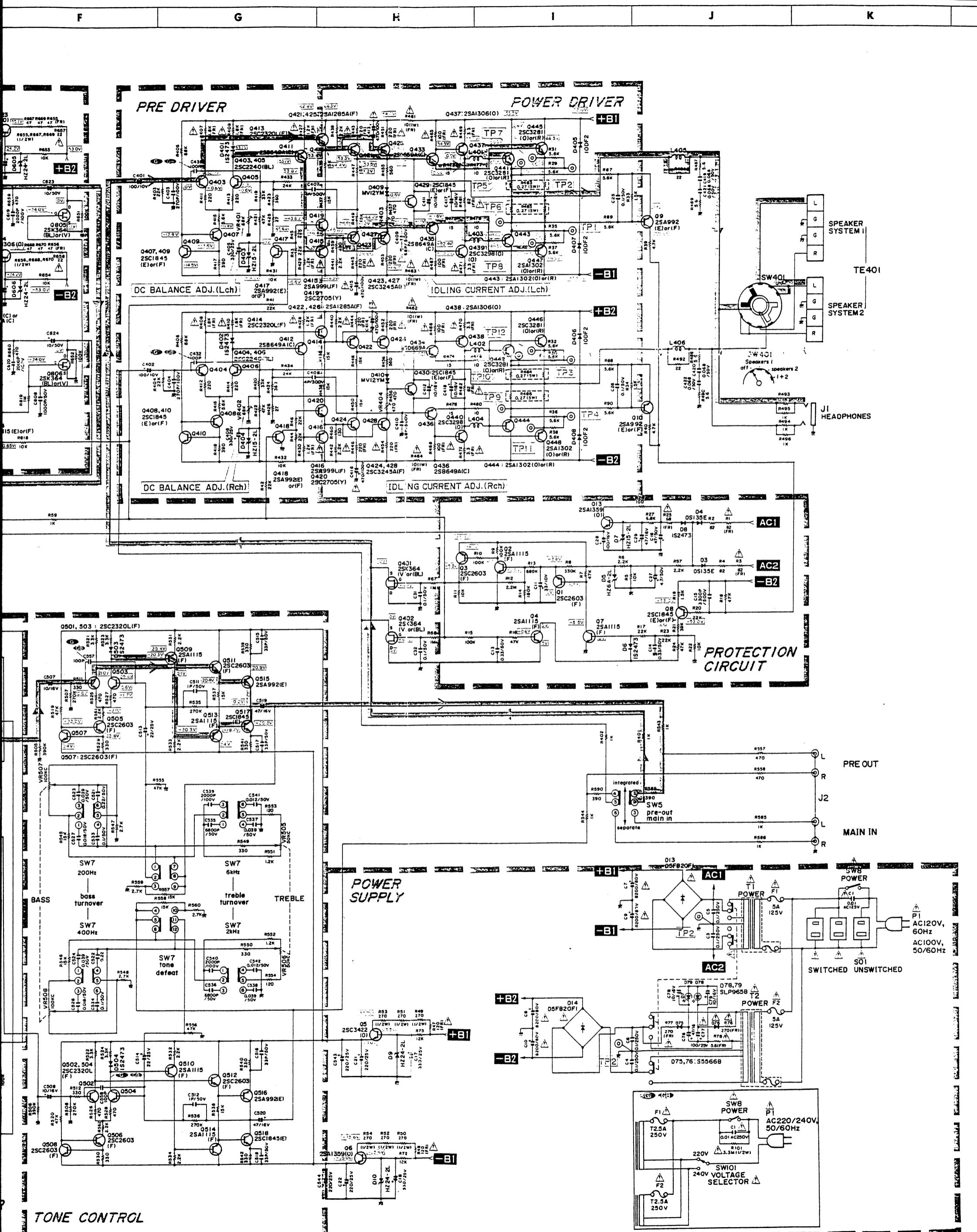
SCHEMATIC DIAGRAM



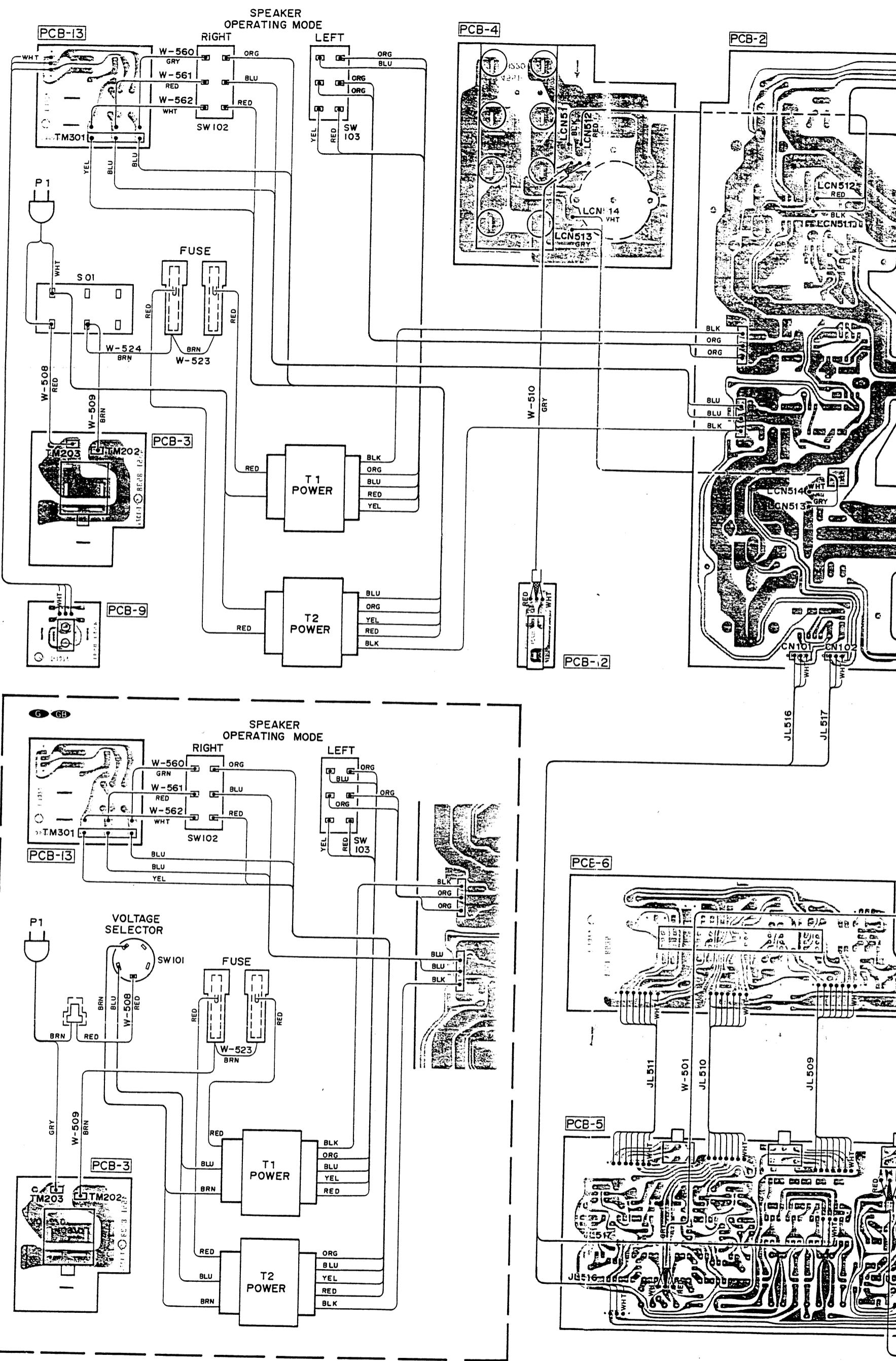
SCHEMATIC DIAGRAM



1. ALL RESISTANCES VALUES ARE IN Ω .
 $K\Omega = 1000\Omega$, $M\Omega = 1000K\Omega$.
2. THE WATTAGE OF RESISTORS IS 1/4W UNLESS OTHERWISE NOTED.
3. ALL CAPACITANCES VALUES ARE IN μF UNLESS OTHERWISE NOTED. $P = \mu \mu F$
4. ... V : DC VOLTAGE AT NO SIGNAL
5.  SAFETY REQUIREMENTS: COMPONENTS IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS. THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.



WIRING DIAGRAM



- **WIRE COLOR ABBREVIATIONS**

RED	: Red	YEL	: Yellow
ORG	: Orange	PUP	: Purple
BLU	: Blue	PIK	: Pink
WHT	: White	GRY	: Gray
GRN	: Green	BRN	: Brown
BLK	: Black		

